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APPENDIX F

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New England

05/01/17

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Automated Report

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC50190

Sampling Date: 04/19/17

Report to:

EnviroTrac
2 Merchant Street Suite 2
Sharon, MA 02067
craigb@envirotrac.com; jenniferb@envirotrac.com

ATTN: Craig Blake

Total number of pages in report: 132

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NJ (MA926) PA (6801121) LA (AI171119) ND (R-188) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sections:

SGS Accutest

Sample Summary

EnviroTrac, Ltd.

Job No: MC50190

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC50190-1	04/19/17	10:30	FM	04/19/17	SO	Soil	PL-20 0-18" COMP
MC50190-2	04/19/17	12:15	FM	04/19/17	SO	Soil	PL-21 0-18" COMP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: EnviroTrac, Ltd. **Job No** MC50190

Site: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA **Report Date** 5/1/2017 4:39:11 PM

2 Sample(s) were collected on 04/19/2017 and were received at SGS Accutest New England on 04/19/2017 properly preserved, at 8.1 Deg. C and intact. These Samples received a job number of MC50190. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO **Batch ID:** N:VV7075

- Analysis performed at SGS Accutest, Dayton, NJ.

Extractables by GCMS By Method SW846 8270D

Matrix: SO **Batch ID:** N:OP2255

- Analysis performed at SGS Accutest, Dayton, NJ.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GBH2507

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081B

Matrix: SO **Batch ID:** OP49634

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Quadratic regression is employed for initial calibration standard GBE2746-ICC2746, signal #1 for Dieldrin, 4,4'-DDT.
- All method blanks for this batch meet method specific criteria.
- OP49634-BS for gamma-BHC (Lindane): Outside MCP control limits (biased high).
- Continuing calibration check standard GBE2746-CC2746, signal #1, BE54791 for all compounds exceed 20% Dev (biased low) due to possible residual matrix interference. Confirmed by reanalysis.
- MC50190-1: Confirmation run.
- MC50190-1 for Decachlorobiphenyl: Outside control limits due to matrix interference. Confirmed by reanalysis.
- MC50190-2 for Decachlorobiphenyl (sig#2): Outside MCP control limits (biased high).

Extractables by GC By Method SW846 8082A

Matrix: SO **Batch ID:** OP49633

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8151

Matrix: SO **Batch ID:** N:OP2180

- Analysis performed at SGS Accutest, Dayton, NJ.

Extractables by GC By Method SW846-8015

Matrix: SO **Batch ID:** OP49632

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MC50190-1: Confirmation run.
- MC50190-1 for o-Terphenyl: Outside control limits due to matrix interference. Confirmed by reanalysis.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** N:MP218

- Analysis performed at SGS Accutest, Dayton, NJ.

Metals By Method SW846 7471B

Matrix: SO **Batch ID:** N:MP165

- Mercury: Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO **Batch ID:** N:GN62909

- Specific Conductivity: Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** N:GN62991

- Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO **Batch ID:** N:GN63115

- Ignitability (Flashpoint): Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SW846 9045D

Matrix: SO **Batch ID:** N:GN63066

- pH: Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO **Batch ID:** N:GP4822

- Cyanide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO **Batch ID:** N:GP4821

- Sulfide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50190).

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England **Job No** MC50190

Site: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somer **Report Date** 4/28/2017 6:02:04 PM

On 04/20/2017, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC50190 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Please refer to certification exceptions summary for additional certification information.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO **Batch ID:** VV7075

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MC50190-1 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the inital and continuing calibrations.
- MC50190-1 for Acetone: Response factor for this compound is below 0.05 in the inital and continuing calibrations.

Matrix: SO **Batch ID:** VY7434

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MC50190-2 for Tetrahydrofuran: This compound in the associated CCV is outside the method criteria of 20%, biased high.
- MC50190-2 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the inital and continuing calibrations.

Extractables by GCMS By Method SW846 8270D

Matrix: SO **Batch ID:** OP2255

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MC50190-1 for 2,4-Dinitrophenol: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-1 for Benzoic acid: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-1 for Pentachlorophenol: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-2 for 2,4-Dinitrophenol: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-2 for 4,6-Dinitro-o-cresol: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-2 for Benzoic acid: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-2 for Pentachlorophenol: Quadratic regression was employed for this compound in associated ICAL.
- MC50190-1 for 4,6-Dinitro-o-cresol: Quadratic regression was employed for this compound in associated ICAL.

Extractables by GC By Method SW846 8151

Matrix: SO **Batch ID:** OP2180

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: SO	Batch ID: MP218

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC41832-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead, Selenium, Silver are outside control limits for sample MP218-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP165

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO	Batch ID: GN62909

- The data for SM2510B-11M/SW9050AM meets quality control requirements.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN62991

- The data for SM2540 G-97 meets quality control requirements.

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: GN63115

- The data for SW846 1010A/ASTM D93 meets quality control requirements.

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: GN63066

- The data for SW846 9045D meets quality control requirements.

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: GP4822

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: GP4821

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50190-1	PL-20 0-18" COMP					
Xylene (total) [a]		0.0012	0.00097		mg/kg	SW846 8260C
Acenaphthene [a]		1.92	0.038		mg/kg	SW846 8270D
Acenaphthylene [a]		1.01	0.038		mg/kg	SW846 8270D
Anthracene [a]		4.37	0.38		mg/kg	SW846 8270D
Benzo(a)anthracene [a]		8.58	0.38		mg/kg	SW846 8270D
Benzo(a)pyrene [a]		7.89	0.38		mg/kg	SW846 8270D
Benzo(b)fluoranthene [a]		9.19	0.38		mg/kg	SW846 8270D
Benzo(g,h,i)perylene [a]		4.11	0.38		mg/kg	SW846 8270D
Benzo(k)fluoranthene [a]		3.70	0.038		mg/kg	SW846 8270D
Butyl benzyl phthalate [a]		2.18	0.076		mg/kg	SW846 8270D
Chrysene [a]		8.23	0.38		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene [a]		1.80	0.038		mg/kg	SW846 8270D
Dibenzofuran [a]		1.64	0.076		mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate [a]		0.0865	0.076		mg/kg	SW846 8270D
Fluoranthene [a]		19.8	0.38		mg/kg	SW846 8270D
Fluorene [a]		2.27	0.038		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene [a]		4.75	0.38		mg/kg	SW846 8270D
2-Methylnaphthalene [a]		0.598	0.076		mg/kg	SW846 8270D
Naphthalene [a]		0.804	0.038		mg/kg	SW846 8270D
Phenanthrene [a]		16.2	0.38		mg/kg	SW846 8270D
Pyrene [a]		16.9	0.38		mg/kg	SW846 8270D
4,4'-DDT		0.0260	0.0057		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		6580	180		mg/kg	SW846-8015
Arsenic [a]		10.4	2.3		mg/kg	SW846 6010C
Barium [a]		40.4	5.7		mg/kg	SW846 6010C
Chromium [a]		13.3	1.1		mg/kg	SW846 6010C
Lead [a]		58.0	2.3		mg/kg	SW846 6010C
Mercury [a]		0.15	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		269	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.56			su	SW846 9045D
MC50190-2	PL-21 0-18" COMP					
Acenaphthene [a]		0.920	0.038		mg/kg	SW846 8270D
Acenaphthylene [a]		0.436	0.038		mg/kg	SW846 8270D
Anthracene [a]		2.59	0.038		mg/kg	SW846 8270D
Benzo(a)anthracene [a]		3.15	0.15		mg/kg	SW846 8270D
Benzo(a)pyrene [a]		3.12	0.038		mg/kg	SW846 8270D
Benzo(b)fluoranthene [a]		3.60	0.038		mg/kg	SW846 8270D
Benzo(g,h,i)perylene [a]		1.66	0.038		mg/kg	SW846 8270D
Benzo(k)fluoranthene [a]		1.16	0.038		mg/kg	SW846 8270D
Butyl benzyl phthalate [a]		0.0936	0.076		mg/kg	SW846 8270D

Summary of Hits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene [a]		3.53	0.038		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene [a]		0.495	0.038		mg/kg	SW846 8270D
Dibenzofuran [a]		0.896	0.076		mg/kg	SW846 8270D
Fluoranthene [a]		7.58	0.15		mg/kg	SW846 8270D
Fluorene [a]		1.11	0.038		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene [a]		1.91	0.038		mg/kg	SW846 8270D
2-Methylnaphthalene [a]		0.444	0.076		mg/kg	SW846 8270D
Naphthalene [a]		0.958	0.038		mg/kg	SW846 8270D
Phenanthrene [a]		8.62	0.15		mg/kg	SW846 8270D
Pyrene [a]		6.95	0.15		mg/kg	SW846 8270D
4,4'-DDT		0.0090	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		193	18		mg/kg	SW846-8015
Arsenic [a]		7.4	2.2		mg/kg	SW846 6010C
Barium [a]		28.1	5.5		mg/kg	SW846 6010C
Chromium [a]		12.5	1.1		mg/kg	SW846 6010C
Lead [a]		76.7	2.2		mg/kg	SW846 6010C
Mercury [a]		0.068	0.034		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		168	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		6.92			su	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP		
Lab Sample ID:	MC50190-1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8260C	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	V168153A.D	1	04/25/17	ANJ	n/a	n/a	N:VV7075
Run #2							

	Initial Weight
Run #1	5.9 g
Run #2	

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	ND	0.0097	mg/kg	
71-43-2	Benzene	ND	0.00049	mg/kg	
108-86-1	Bromobenzene	ND	0.0049	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0049	mg/kg	
74-83-9	Bromomethane	ND	0.0049	mg/kg	
78-93-3	2-Butanone (MEK) [b]	ND	0.0097	mg/kg	
104-51-8	n Butylbenzene	ND	0.0019	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0019	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0049	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.0049	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0019	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0019	mg/kg	
108 20 3	Di Isopropyl ether	ND	0.0019	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00097	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00097	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00097	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00097	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00097	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00097	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00097	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00097	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00097	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8260C	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.1

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0019	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0019	mg/kg	
563 58 6	1,1 Dichloropropene	ND	0.0019	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	mg/kg	
60-29-7	Ethyl Ether	ND	0.0019	mg/kg	
100-41-4	Ethylbenzene	ND	0.00097	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0049	mg/kg	
591-78-6	2-Hexanone	ND	0.0049	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0019	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00097	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0049	mg/kg	
74-95-3	Methylene bromide	ND	0.0049	mg/kg	
75-09-2	Methylene chloride	ND	0.0049	mg/kg	
91-20-3	Naphthalene	ND	0.0049	mg/kg	
103 65 1	n Propylbenzene	ND	0.0019	mg/kg	
100-42-5	Styrene	ND	0.0019	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0019	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0019	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0019	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.0097	mg/kg	
108-88-3	Toluene	ND	0.00097	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0049	mg/kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.0049	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	mg/kg	
79 00 5	1,1,2 Trichloroethane	ND	0.0019	mg/kg	
79 01-6	Trichloroethene	ND	0.00097	mg/kg	
75 69-4	Trichlorofluoromethane	ND	0.0049	mg/kg	
96 18 4	1,2,3 Trichloropropane	ND	0.0049	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0019	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0019	mg/kg	
75 01 4	Vinyl chloride	ND	0.0019	mg/kg	
	m,p-Xylene	ND	0.00097	mg/kg	
95-47-6	o-Xylene	ND	0.00097	mg/kg	
1330-20-7	Xylene (total)	0.0012	0.00097	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8260C	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	104%		70 122%
17060-07-0	1,2-Dichloroethane-D4	93%		68-124%
2037-26-5	Toluene-D8	97%		77-125%
460 00 4	4 Bromofluorobenzene	94%		72 130%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Response factor for this compound is below 0.05 in the inital and continuing calibrations.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3E92887.D	1	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4131
Run #2 [a]	3E92901.D	10	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4132

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2	30.4 g	1.0 ml

ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid [b]	ND	0.76	mg/kg	
95-57-8	2-Chlorophenol	ND	0.076	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	mg/kg	
51-28-5	2,4-Dinitrophenol [b]	ND	0.19	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	0.19	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	mg/kg	
	3&4-Methylphenol	ND	0.076	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	mg/kg	
87-86-5	Pentachlorophenol [b]	ND	0.15	mg/kg	
108-95-2	Phenol	ND	0.076	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	mg/kg	
83-32-9	Acenaphthene	1.92	0.038	mg/kg	
208 96 8	Acenaphthylene	1.01	0.038	mg/kg	
98-86-2	Acetophenone	ND	0.19	mg/kg	
62-53-3	Aniline	ND	0.076	mg/kg	
120 12 7	Anthracene	4.37 [c]	0.38	mg/kg	
56-55-3	Benzo(a)anthracene	8.58 [c]	0.38	mg/kg	
50-32-8	Benzo(a)pyrene	7.89 [c]	0.38	mg/kg	
205-99-2	Benzo(b)fluoranthene	9.19 [c]	0.38	mg/kg	
191 24 2	Benzo(g,h,i)perylene	4.11 [c]	0.38	mg/kg	
207-08-9	Benzo(k)fluoranthene	3.70	0.038	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	2.18	0.076	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	mg/kg	
218-01-9	Chrysene	8.23 [c]	0.38	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
108 60 1	bis(2 Chloroisopropyl)ether	ND	0.076	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.076	mg/kg	
122 66 7	1,2 Diphenylhydrazine	ND	0.076	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.076	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.076	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.076	mg/kg	
53 70-3	Dibenzo(a,h)anthracene	1.80	0.038	mg/kg	
132-64-9	Dibenzofuran	1.64	0.076	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.076	mg/kg	
84 66 2	Diethyl phthalate	ND	0.076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	mg/kg	
117 81 7	bis(2 Ethylhexyl)phthalate	0.0865	0.076	mg/kg	
206 44 0	Fluoranthene	19.8 [c]	0.38	mg/kg	
86-73-7	Fluorene	2.27	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.38	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	mg/kg	
193 39 5	Indeno(1,2,3 cd)pyrene	4.75 [c]	0.38	mg/kg	
78-59-1	Isophorone	ND	0.076	mg/kg	
91 57 6	2 Methylnaphthalene	0.598	0.076	mg/kg	
91-20-3	Naphthalene	0.804	0.038	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	mg/kg	
62-75-9	n-Nitrosodimethylamine	ND	0.076	mg/kg	
621 64 7	N Nitroso di n propylamine	ND	0.076	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	mg/kg	
85-01-8	Phenanthrene	16.2 [c]	0.38	mg/kg	
129-00-0	Pyrene	16.9 [c]	0.38	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.076	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%	50%	23-115%
4165 62 2	Phenol d5	57%	48%	27 114%
118 79 6	2,4,6 Tribromophenol	82%	53%	19-152%
4165-60-0	Nitrobenzene-d5	59%	46%	26-134%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190-1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN Semivolatiles MCP list

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	70%	52%	39-124%
1718-51-0	Terphenyl-d14	69%	53%	36-134%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Quadratic regression was employed for this compound in associated ICAL.
(c) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8015	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH41674.D	1	04/20/17	AF	n/a	n/a	GBH2507
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	15.8 g	15.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	95%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8081B SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54781.D	1	04/26/17	AP	04/20/17	OP49634	GBE2746
Run #2 [a]	BE54749.D	1	04/25/17	AP	04/20/17	OP49634	GBE2745

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2	20.2 g	10.0 ml

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	0.0260	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan-I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	73%	10-143%
877-09-8	Tetrachloro-m-xylene	54%	56%	10-143%
2051-24-3	Decachlorobiphenyl	1130% [b]	1061% [b]	10-172%
2051-24-3	Decachlorobiphenyl	910% [b]	1072% [b]	10-172%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190-1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8082A SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65268.D	1	04/25/17	AP	04/20/17	OP49633	GBK2084
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		25-145%
877-09-8	Tetrachloro-m-xylene	52%		25-145%
2051-24-3	Decachlorobiphenyl	137%		25-179%
2051-24-3	Decachlorobiphenyl	96%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP		
Lab Sample ID:	MC50190 1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8151 SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125695.D	2	04/25/17	ANJ	04/24/17	N:OP2180	N:GOA4296
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.038	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0075	mg/kg	
93-76-5	2,4,5-T	ND	0.0075	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	40%		10-159%
19719-28-9	2,4-DCAA	41%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 20 0 18" COMP		
Lab Sample ID:	MC50190-1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846-8015 SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CR4857.D	1	04/25/17	AP	04/20/17	OP49632	GCR1293
Run #2	CR4858.D	10	04/25/17	AP	04/20/17	OP49632	GCR1293

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2	15.8 g	1.0 ml

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	6580 [b]	180	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	134% [c]	163% [c]	17-130%

(a) Confirmation run.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190-1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
		Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	10.4	2.3	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	40.4	5.7	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.57	0.57	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	13.3	1.1	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	58.0	2.3	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.15	0.036	mg/kg	1	04/22/17	04/22/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.3	2.3	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.57	0.57	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41837
(2) Instrument QC Batch: N:MA41883
(3) Prep QC Batch: N:MP165
(4) Prep QC Batch: N:MP218

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest

Report of Analysis

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Client Sample ID:	PL-20 0-18" COMP		
Lab Sample ID:	MC50190-1	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
		Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/24/17 12:28	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/25/17 23:30	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	87.1		%	1	04/23/17 12:00	ANJ	SM2540 G-97
Specific Conductivity [a]	269	7.5	umhos/cm	1	04/21/17 04:43	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/23/17 16:00	ANJ	SW846 CHAP7/9034
pH [a]	7.56		su	1	04/25/17 13:06	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8260C	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Y171818.D	1	04/25/17	ANJ	n/a	n/a	N:VY7434
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.0095	mg/kg	
71-43-2	Benzene	ND	0.00048	mg/kg	
108-86-1	Bromobenzene	ND	0.0048	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0048	mg/kg	
74-83-9	Bromomethane	ND	0.0048	mg/kg	
78-93-3	2-Butanone (MEK) [b]	ND	0.0095	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0019	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0019	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0048	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.0048	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0019	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0019	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0019	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00095	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00095	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00095	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00095	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00095	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00095	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00095	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00095	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00095	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8260C	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0019	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0019	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0019	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	mg/kg	
60-29-7	Ethyl Ether	ND	0.0019	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0048	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0019	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0048	mg/kg	
74-95-3	Methylene bromide	ND	0.0048	mg/kg	
75-09-2	Methylene chloride	ND	0.0048	mg/kg	
91-20-3	Naphthalene	ND	0.0048	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0019	mg/kg	
100-42-5	Styrene	ND	0.0019	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0019	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0019	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	mg/kg	
109-99-9	Tetrahydrofuran [c]	ND	0.0095	mg/kg	
108-88-3	Toluene	ND	0.00095	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.00095	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0048	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0048	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0019	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	mg/kg	
	m,p-Xylene	ND	0.00095	mg/kg	
95-47-6	o-Xylene	ND	0.00095	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190 2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8260C	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-122%
17060-07-0	1,2-Dichloroethane-D4	96%		68-124%
2037-26-5	Toluene-D8	99%		77-125%
460-00-4	4-Bromofluorobenzene	119%		72-130%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Response factor for this compound is below 0.05 in the inital and continuing calibrations.
(c) This compound in the associated CCV is outside the method criteria of 20%, biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190 2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3E92888.D	1	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4131
Run #2 [a]	3E92902.D	4	04/28/17	ANJ	04/26/17	N:OP2255	N:E3E4132

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid [b]	ND	0.76	mg/kg	
95-57-8	2-Chlorophenol	ND	0.076	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	mg/kg	
51-28-5	2,4-Dinitrophenol [b]	ND	0.19	mg/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	0.19	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	mg/kg	
	3&4-Methylphenol	ND	0.076	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	mg/kg	
87-86-5	Pentachlorophenol [b]	ND	0.15	mg/kg	
108-95-2	Phenol	ND	0.076	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	mg/kg	
83-32-9	Acenaphthene	0.920	0.038	mg/kg	
208-96-8	Acenaphthylene	0.436	0.038	mg/kg	
98-86-2	Acetophenone	ND	0.19	mg/kg	
62-53-3	Aniline	ND	0.076	mg/kg	
120-12-7	Anthracene	2.59	0.038	mg/kg	
56-55-3	Benzo(a)anthracene	3.15 [c]	0.15	mg/kg	
50-32-8	Benzo(a)pyrene	3.12	0.038	mg/kg	
205-99-2	Benzo(b)fluoranthene	3.60	0.038	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.66	0.038	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.16	0.038	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.0936	0.076	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	mg/kg	
218-01-9	Chrysene	3.53	0.038	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN Semivolatiles MCP list

CAS No.	Compound	Result	RL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.076	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.076	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.076	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.076	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.076	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	mg/kg	
91 94 1	3,3' Dichlorobenzidine	ND	0.076	mg/kg	
53 70 3	Dibenzo(a,h)anthracene	0.495	0.038	mg/kg	
132-64-9	Dibenzofuran	0.896	0.076	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.076	mg/kg	
84-66-2	Diethyl phthalate	ND	0.076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.076	mg/kg	
206 44 0	Fluoranthene	7.58 [c]	0.15	mg/kg	
86-73-7	Fluorene	1.11	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.038	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.38	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	mg/kg	
193 39 5	Indeno(1,2,3 cd)pyrene	1.91	0.038	mg/kg	
78-59-1	Isophorone	ND	0.076	mg/kg	
91-57-6	2-Methylnaphthalene	0.444	0.076	mg/kg	
91-20-3	Naphthalene	0.958	0.038	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	mg/kg	
62-75-9	n-Nitrosodimethylamine	ND	0.076	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.076	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	mg/kg	
85-01-8	Phenanthrene	8.62 [c]	0.15	mg/kg	
129 00 0	Pyrene	6.95 [c]	0.15	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.076	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%	51%	23-115%
4165-62-2	Phenol-d5	59%	53%	27-114%
118-79-6	2,4,6-Tribromophenol	78%	61%	19-152%
4165-60-0	Nitrobenzene-d5	56%	50%	26-134%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN Semivolatiles MCP list

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	66%	56%	39-124%
1718-51-0	Terphenyl-d14	72%	57%	36-134%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Quadratic regression was employed for this compound in associated ICAL.
(c) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190 2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8015	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH41678.D	1	04/20/17	AF	n/a	n/a	GBH2507
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	16.1 g	15.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	96%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8081B SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54782.D	1	04/26/17	AP	04/20/17	OP49634	GBE2746
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309 00 2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta BHC	ND	0.0056	mg/kg	
319 86 8	delta BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0056	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60 57 1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72 55 9	4,4' DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0090	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213 65 9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118 74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		10-143%
877 09 8	Tetrachloro m xylene	48%		10 143%
2051-24-3	Decachlorobiphenyl	87%		10-172%
2051-24-3	Decachlorobiphenyl	153%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP		
Lab Sample ID:	MC50190 2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8082A SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65269.D	1	04/25/17	AP	04/20/17	OP49633	GBK2084
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		25-145%
877-09-8	Tetrachloro-m-xylene	64%		25-145%
2051-24-3	Decachlorobiphenyl	95%		25-179%
2051-24-3	Decachlorobiphenyl	88%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8151 SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125696.D	2	04/25/17	ANJ	04/24/17	N:OP2180	N:GOA4296
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.035	mg/kg	
93 72 1	2,4,5 TP (Silvex)	ND	0.0069	mg/kg	
93 76 5	2,4,5-T	ND	0.0069	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	106%		10-159%
19719-28-9	2,4-DCAA	96%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
Method:	SW846 8015 SW846 3546	Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4856.D	1	04/25/17	AP	04/20/17	OP49632	GCR1293
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	193	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	128%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	PL 21 0 18" COMP		
Lab Sample ID:	MC50190-2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
		Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	7.4	2.2	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	28.1	5.5	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.55	0.55	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	12.5	1.1	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	76.7	2.2	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.068	0.034	mg/kg	1	04/22/17	04/22/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.2	2.2	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.55	0.55	mg/kg	1	04/25/17	04/26/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41837
(2) Instrument QC Batch: N:MA41883
(3) Prep QC Batch: N:MP165
(4) Prep QC Batch: N:MP218
(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PL-21 0-18" COMP		
Lab Sample ID:	MC50190 2	Date Sampled:	04/19/17
Matrix:	SO - Soil	Date Received:	04/19/17
		Percent Solids:	87.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/24/17 12:30	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/25/17 23:30	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	87.4		%	1	04/23/17 12:00	ANJ	SM2540 G-97
Specific Conductivity [a]	168	7.5	umhos/cm	1	04/21/17 04:43	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/23/17 16:00	ANJ	SW846 CHAP7/9034
pH [a]	6.92		su	1	04/25/17 13:06	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SGS ACCUTEST — CHAIN OF CUSTODY — PAGE 1 OF 1

SGS Accutest of New England
86 D'Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX 508-481 7753
www.accutest.com

FEDEX Tracking # | Bottle Order Control # MC50190

SGS Accutest Quote # | SGS Accutest Job # MC50190

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St
City: Sharon State: MA Zip: 02067
Project Contact: Jim Buttaro JimButtaro@envirotrac.com
Phone #: 781-793-0074 Fax #:
Sampler(s) Name(s): R Morrissey Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Somerville St
City: Somerville State: MA
Project #: 03.990202.00
Client PO#:
Project Manager: Jim Buttaro
Attention: PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquids; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl, MeOH, HNO3, H2SO4, NaOH, Na2S2O3, NaHSO4, DI Water, Other	VOCs	SVOCs	TPH DRO + GRO	PCBs	Pesticides + Herbicides	Reactivity + Conductivity	RCRA 8 metals	Ignitability	pH	LAB USE ONLY
-1	PC-20 0-18" Comp		4/19/17	8:00-10:30	PM	SO	6	2 2 2	X	X	X	X	X	X	X	X	X	
-2	PC-21 0-18" Comp		4/19/17	10:45-12:15	PM	SO	6	2 2 2	X	X	X	X	X	X	X	X	X	

INITIAL ASSESSMENT: SM
LABEL VERIFICATION: SM

Turnaround Time (Business days)
- Std. 10 Business Days
- [X] Std. 5 Business Days (By Contract only)
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Jenny V

Data Deliverable Information
- Commercial "A" (Level 1)
- [X] Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CLP/CP
- NJ NCP
- NYASP Category A
- NYASP Category B
- State Forms
- EQD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must meet S-1/ RCS-1 detection Limits

SAMPLES RECEIVED DIRECTLY FROM FIELD SAMPLING

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		4/19/17 1:30	1	2		2
3	Relinquished by Sampler	Date Time	Received By 3	Relinquished By 4	Date Time	Received By 4
5	Relinquished by 5	Date Time	Received By 5	Custody Seal # [ ] Intact [ ] Not Intact	[ ] Preserved where applicable	On Ice: 10 Cooler Temp: 8.6

SGS Accutest NE Sample Receipt Summary

Job Number: MC50190 **Client:** ENVIROTRAC **Project:** MAGGIORE SOMERVILLE

Date / Time Received: 4/19/2017 2:40:00 PM **Delivery Method:** Client **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1 (8.6/8.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present	[ ]		[✓]	3. COC Present	[✓]		[ ]
2. Custody Seals Intact	[ ]		[✓]	4. Smpl Dates/Time OK	[✓]		[ ]

Cooler Temperature	Y	or	N
1. Temp criteria achieved	[✓]		[ ]
2. Thermometer ID	IRGUN1;		
3. Cooler media	Ice (Bag)		
4. No. Coolers	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler	[ ]		[✓]	[ ]
2. Trip Blank listed on COC	[ ]		[✓]	[ ]
3. Samples preserved properly	[✓]		[ ]	
4. VOCs headspace free	[ ]		[ ]	[✓]

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles	[✓]		[ ]
2. Container labeling complete	[✓]		
3. Sample container label / COC agree	[✓]		

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT	[✓]		
2. All containers accounted for	[✓]		[ ]
3. Condition of sample	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear	[✓]		[ ]	
2. Bottles received for unspecified tests	[ ]		[✓]	
3. Sufficient volume recvd for analysis	[✓]			
4. Compositing instructions clear				[✓]
5. Filtering instructions clear				[✓]

Comments

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name:	SGS Accutest- Marlborough	Project #:	MC50190
Project Location:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50190-1,MC50190-2

Matrices: Groundwater/Surface Water ( ) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other (X)

CAM Protocol (check all that apply below)

8260 VOC (X) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides (X) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC (X) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides (X) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB (X) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ Yes	☐ No ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☐ Yes	☑ No '
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No '
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No '

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [signature] **Position:** Laboratory Director

Printed Name: H. (Brad) Madadian **Date:** 01-May-17

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name.	Accutest Mid-Atlantic	Project #	MC50190
Project Location:#01074,	ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50190-1,MC50190-2

Matrices: Groundwater/Surface Water ( ) Soil/Sediment (x) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC (X) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC (X) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides (X) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications) b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ Yes	☐ No ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☐ Yes	☑ No '
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No '
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No '

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Nancy F. Cole **Position:** Laboratory Director

Printed Name: Nancy F. Cole **Date:** 01-May-17

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50190

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50190-1 Collected: 19-APR-17 10:30 By: FM		**Received: 19-APR-17 By: TF**				
PI. 20 0 18" COMP						
MC50190-1	SW846 8015	20-APR-17 09:25	AF			V8015GRO
MC50190-1	SM2510B 11M/SW9050/MA	20-APR-17 04:43	ANJ			SCON
MC50190-1	SW846 7471B	22-APR-17 12:06	ANJ	22 APR 17	ANJ	HG
MC50190-1	SM2540 G-97	23-APR-17 12:00	ANJ			SOL104
MC50190-1	SW846 CHAP7/9034	23-APR-17 16:00	ANJ	22-APR-17	ANJ	SREAC
MC50190-1	SW846 CHAP7/9012 B	24-APR-17 12:28	ANJ	22-APR-17	ANJ	CREAC
MC50190-1	SW846 8081B	25-APR-17 09:14	AP	20-APR-17	AJ	P8081MCP
MC50190-1	SW846 9045D	25-APR-17 13:06	ANJ			PH
MC50190-1	SW846 8082A	25-APR-17 16:29	AP	20-APR-17	AJ	P8082MCP
MC50190-1	SW846-8015	25-APR-17 17:28	AP	20-APR-17		
MC50190-1	SW846 8260C	25-APR-17 17:37	ANJ			V8260MCP
MC50190-1	SW846-8015	25-APR-17 17:58	AP	20 APR 17	AJ	B8015DRO
MC50190-1	SW846 8151	25-APR-17 22:15	ANJ	24-APR-17	ANJ	H8151STD
MC50190-1	SW846 1010A/ASTM D93	26-APR-17 23:30	ANJ			IGN
MC50190-1	SW846 8081B	26-APR-17 01:38	AP	20-APR-17	AJ	P8081MCP
MC50190-1	SW846 6010C	26-APR-17 12:17	ANJ	25-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC50190-1	SW846 8270D	28-APR-17 03:23	ANJ	26-APR-17	ANJ	AB8270MCP
MC50190-1	SW846 8270D	28 APR 17 12:40	ANJ	26-APR-17	ANJ	AB8270MCP
MC50190-2 Collected: 19-APR-17 12:15 By: FM		**Received: 19-APR-17 By: TF**				
PL-21 0-18" COMP						
MC50190-2	SW846 8015	20-APR-17 11:52	AF			V8015GRO
MC50190-2	SM2510B-11M/SW9050/MA	20-APR-17 04:43	ANJ			SCON
MC50190-2	SW846 7471B	22-APR-17 12:07	ANJ	22-APR-17	ANJ	HG
MC50190-2	SM2540 G-97	23-APR-17 12:00	ANJ			SOL104
MC50190-2	SW846 CHAP7/9034	23-APR-17 16:00	ANJ	22-APR-17	ANJ	SREAC
MC50190-2	SW846 CHAP7/9012 B	24-APR-17 12:30	ANJ	22-APR-17	ANJ	CREAC
MC50190-2	SW846 9045D	25-APR-17 13:06	ANJ			PH
MC50190-2	SW846 8260C	25-APR-17 15:22	ANJ			V8260MCP
MC50190-2	SW846 8082A	25-APR-17 16:45	AP	20-APR-17	AJ	P8082MCP
MC50190-2	SW846 8015	25-APR-17 16:58	AP	20-APR-17	AJ	B8015DRO
MC50190-2	SW846 8151	25-APR-17 22:44	ANJ	24-APR-17	ANJ	H8151STD
MC50190-2	SW846 1010A/ASTM D93	26-APR-17 23:30	ANJ			IGN
MC50190-2	SW846 8081B	26-APR-17 01:52	AP	20-APR-17	AJ	P8081MCP
MC50190-2	SW846 6010C	26-APR-17 12:20	ANJ	25-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC50190-2	SW846 8270D	28-APR-17 03:50	ANJ	26-APR-17	ANJ	AB8270MCP

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50190

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50190-2	SW846 8270D	28-APR-17 13:07	ANJ	26-APR-17	ANJ	AB8270MCP

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49633	SW846 8082A						
OP49633-BS	12674-11-2	Aroclor 1016	BSP	REC	76	%	40-140
OP49633-BS	11096-82-5	Aroclor 1260	BSP	REC	63	%	40-140
OP49633-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR	71	%	30-150
OP49633-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR	75	%	30-150
OP49633-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR	63	%	30-150
OP49633-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR	57	%	30-150
OP49633-BSD	12674-11-2	Aroclor 1016	BSD	REC	90	%	40-140
OP49633-BSD	12674-11-2	Aroclor 1016	BSD	RPD	17	%	30
OP49633-BSD	11104-28-2	Aroclor 1221	BSD	RPD	0	%	30
OP49633-BSD	11141-16-5	Aroclor 1232	BSD	RPD	0	%	30
OP49633-BSD	53469-21-9	Aroclor 1242	BSD	RPD	0	%	30
OP49633-BSD	12672-29-6	Aroclor 1248	BSD	RPD	0	%	30
OP49633-BSD	11097-69-1	Aroclor 1254	BSD	RPD	0	%	30
OP49633-BSD	11096-82-5	Aroclor 1260	BSD	REC	82	%	40-140
OP49633-BSD	11096-82-5	Aroclor 1260	BSD	RPD	27	%	30
OP49633-BSD	37324-23-5	Aroclor 1262	BSD	RPD	0	%	30
OP49633-BSD	11100-14-4	Aroclor 1268	BSD	RPD	0	%	30
OP49633-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR	83	%	30-150
OP49633-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR	81	%	30-150
OP49633-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR	85	%	30-150
OP49633-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR	78	%	30-150
OP49633-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	87	%	30-150
OP49633-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	80	%	30-150
OP49633-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	76	%	30-150
OP49633-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	72	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	87	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	52	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	137	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	96	%	30-150
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	77	%	30-150
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	64	%	30-150
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	95	%	30-150
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	88	%	30-150
OP49634	SW846 8081B						
OP49634-BS	309-00-2	Aldrin	BSP	REC	96	%	40-140
OP49634-BS	319-84-6	alpha-BHC	BSP	REC	83	%	40-140
OP49634-BS	319-85-7	beta-BHC	BSP	REC	90	%	40-140
OP49634-BS	319-86-8	delta-BHC	BSP	REC	38	%	40-140
OP49634-BS	58-89-9	gamma-BHC (Lindane)	BSP	REC	89	%	40-140
OP49634-BS	60-57-1	Dieldrin	BSP	REC	111	%	40-140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49634-BS	72-54-8	4,4'-DDD	BSP	REC	103	%	40-140
OP49634-BS	72-55-9	4,4'-DDE	BSP	REC	97	%	40-140
OP49634-BS	50-29-3	4,4'-DDT	BSP	REC	118	%	40-140
OP49634-BS	72-20-8	Endrin	BSP	REC	112	%	40-140
OP49634-BS	1031-07-8	Endosulfan sulfate	BSP	REC	113	%	40-140
OP49634-BS	959-98-8	Endosulfan-I	BSP	REC	106	%	40-140
OP49634-BS	33213-65-9	Endosulfan-II	BSP	REC	115	%	40-140
OP49634-BS	76-44-8	Heptachlor	BSP	REC	98	%	40-140
OP49634-BS	1024-57-3	Heptachlor epoxide	BSP	REC	102	%	40-140
OP49634-BS	118-74-1	Hexachlorobenzene	BSP	REC	72	%	40-140
OP49634-BS	72-43-5	Methoxychlor	BSP	REC	117	%	40-140
OP49634-BS	53494-70-5	Endrin ketone	BSP	REC	106	%	40-140
OP49634-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR	86	%	30-150
OP49634-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR	88	%	30-150
OP49634-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR	80	%	30-150
OP49634-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR	104	%	30-150
OP49634-BSD	309-00-2	Aldrin	BSD	REC	108	%	40-140
OP49634-BSD	309-00-2	Aldrin	BSD	RPD	12	%	30
OP49634-BSD	319-84-6	alpha-BHC	BSD	REC	91	%	40-140
OP49634-BSD	319-84-6	alpha-BHC	BSD	RPD	9	%	30
OP49634-BSD	319-85-7	beta-BHC	BSD	REC	101	%	40-140
OP49634-BSD	319-85-7	beta-BHC	BSD	RPD	12	%	30
OP49634-BSD	319-86-8	delta-BHC	BSD	REC	43	%	40-140
OP49634-BSD	319-86-8	delta-BHC	BSD	RPD	11	%	30
OP49634-BSD	58-89-9	gamma-BHC (Lindane)	BSD	REC	102	%	40-140
OP49634-BSD	58-89-9	gamma-BHC (Lindane)	BSD	RPD	14	%	30
OP49634-BSD	60-57-1	Dieldrin	BSD	REC	122	%	40-140
OP49634-BSD	60-57-1	Dieldrin	BSD	RPD	9	%	30
OP49634-BSD	72-54-8	4,4'-DDD	BSD	REC	114	%	40-140
OP49634-BSD	72-54-8	4,4'-DDD	BSD	RPD	10	%	30
OP49634-BSD	72-55-9	4,4'-DDE	BSD	REC	103	%	40-140
OP49634-BSD	72-55-9	4,4'-DDE	BSD	RPD	6	%	30
OP49634-BSD	50-29-3	4,4'-DDT	BSD	REC	119	%	40-140
OP49634-BSD	50-29-3	4,4'-DDT	BSD	RPD	1	%	30
OP49634-BSD	72-20-8	Endrin	BSD	REC	124	%	40-140
OP49634-BSD	72-20-8	Endrin	BSD	RPD	10	%	30
OP49634-BSD	1031-07-8	Endosulfan sulfate	BSD	REC	123	%	40-140
OP49634-BSD	1031-07-8	Endosulfan sulfate	BSD	RPD	9	%	30
OP49634-BSD	959-98-8	Endosulfan-I	BSD	REC	117	%	40-140
OP49634-BSD	959-98-8	Endosulfan-I	BSD	RPD	10	%	30
OP49634-BSD	33213-65-9	Endosulfan II	BSD	REC	117	%	40-140
OP49634-BSD	33213-65-9	Endosulfan-II	BSD	RPD	2	%	30
OP49634-BSD	76-44-8	Heptachlor	BSD	REC	111	%	40-140
OP49634-BSD	76-44-8	Heptachlor	BSD	RPD	12	%	30
OP49634-BSD	1024-57-3	Heptachlor epoxide	BSD	REC	112	%	40-140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49634-BSD	1024-57-3	Heptachlor epoxide	BSD	RPD	9	%	30
OP49634-BSD	118-74-1	Hexachlorobenzene	BSD	REC	76	%	40-140
OP49634-BSD	72-43-5	Methoxychlor	BSD	REC	124	%	40-140
OP49634-BSD	72-43-5	Methoxychlor	BSD	RPD	6	%	30
OP49634-BSD	53494-70-5	Endrin ketone	BSD	REC	113	%	40-140
OP49634-BSD	53494-70-5	Endrin ketone	BSD	RPD	7	%	30
OP49634-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR	89	%	30-150
OP49634-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR	93	%	30-150
OP49634-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR	91	%	30-150
OP49634-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR	105	%	30-150
OP49634-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	90	%	30-150
OP49634-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	92	%	30-150
OP49634-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	90	%	30-150
OP49634-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	107	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	78	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	73	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	56	%	30-150
MC50190-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	54	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	1061 [a]	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	1130 [a]	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	1072 [a]	%	30-150
MC50190-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	910 [a]	%	30-150
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	81	%	30-150
MC50190-2	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	48	%	30-150
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	87	%	30-150
MC50190-2	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	153	%	30-150

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* Sample used for QC is not from job MC50190

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2507-MB	BH41671.D	1	04/20/17	AF	n/a	n/a	GBH2507

The QC reported here applies to the following samples: Method: SW846 8015

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
	2,3,4 Trifluorotoluene	99%	64 127%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2507-BSP	BH41672.D	1	04/20/17	AF	n/a	n/a	GBH2507
GBH2507-BSD	BH41673.D	1	04/20/17	AF	n/a	n/a	GBH2507

The QC reported here applies to the following samples: Method: SW846 8015

MC50190-1, MC50190-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (VOA)	32.5	30.3	93	30.1	93	1	80-120/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4-Trifluorotoluene	96%	94%	64-127%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8015	Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
MC50190-1	BH41674.D	95
MC50190-2	BH41678.D	96
GBH2507-BSD	BH41673.D	94
GBH2507-BSP	BH41672.D	96
GBH2507-MB	BH41671.D	99

Surrogate Compounds	Recovery Limits
S1 = 2,3,4-Trifluorotoluene	64-127%

(a) Recovery from GC signal #1

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49634-MB	BE54722.D	1	04/21/17	AP	04/20/17	OP49634	GBE2744

The QC reported here applies to the following samples: Method: SW846 8081B

MC50190-1, MC50190-2

7.1.1

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	5.0	ug/kg	
319-84-6	alpha-BHC	ND	5.0	ug/kg	
319-85-7	beta-BHC	ND	5.0	ug/kg	
319-86-8	delta-BHC	ND	5.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.0	ug/kg	
12789-03-6	Chlordane	ND	50	ug/kg	
60-57-1	Dieldrin	ND	5.0	ug/kg	
72-54-8	4,4'-DDD	ND	5.0	ug/kg	
72-55-9	4,4'-DDE	ND	5.0	ug/kg	
50-29-3	4,4'-DDT	ND	5.0	ug/kg	
72-20-8	Endrin	ND	5.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.0	ug/kg	
959-98-8	Endosulfan-I	ND	5.0	ug/kg	
33213-65-9	Endosulfan-II	ND	5.0	ug/kg	
76-44-8	Heptachlor	ND	5.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	5.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	5.0	ug/kg	
72-43-5	Methoxychlor	ND	5.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	90%	10-143%
877-09-8	Tetrachloro-m-xylene	92%	10-143%
2051-24-3	Decachlorobiphenyl	90%	10-172%
2051-24-3	Decachlorobiphenyl	107%	10-172%

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49633-MB	BK65206.D	1	04/21/17	AP	04/20/17	OP49633	GBK2082

The QC reported here applies to the following samples: Method: SW846 8082A

MC50190-1, MC50190-2

7.1.2

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	25	ug/kg	
11104-28-2	Aroclor 1221	ND	25	ug/kg	
11141-16-5	Aroclor 1232	ND	25	ug/kg	
53469-21-9	Aroclor 1242	ND	25	ug/kg	
12672-29-6	Aroclor 1248	ND	25	ug/kg	
11097-69-1	Aroclor 1254	ND	25	ug/kg	
11096-82-5	Aroclor 1260	ND	25	ug/kg	
37324-23-5	Aroclor 1262	ND	25	ug/kg	
11100-14-4	Aroclor 1268	ND	25	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	87%	25-145%
877-09-8	Tetrachloro-m-xylene	80%	25-145%
2051-24-3	Decachlorobiphenyl	76%	25-179%
2051-24-3	Decachlorobiphenyl	72%	25-179%

Method Blank Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49632-MB	CR4722.D	1	04/20/17	AP	04/20/17	OP49632	GCR1288

The QC reported here applies to the following samples: Method: SW846-8015

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	ND	17	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	114%	17-130%

7.1.3

Blank Spike Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49632 BS	CR4723.D	1	04/20/17	AP	04/20/17	OP49632	GCR1288

The QC reported here applies to the following samples: Method: SW846-8015

MC50190-1, MC50190-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH DRO (Semi VOA)	167	173	104	29 125

CAS No.	Surrogate Recoveries	BSP	Limits
84 15 1	o Terphenyl	119%	17 130%

7.2.1

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49634-BS	BE54723.D	1	04/21/17	AP	04/20/17	OP49634	GBE2744
OP49634-BSD	BE54724.D	1	04/21/17	AP	04/20/17	OP49634	GBE2744

The QC reported here applies to the following samples: Method: SW846 8081B

MC50190-1, MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	33.3	31.9	96	36.1	108	12	37-165/30
319-84-6	alpha-BHC	33.3	27.7	83	30.4	91	9	32-157/30
319-85-7	beta-BHC	33.3	29.9	90	33.6	101	12	41-159/30
319-86-8	delta-BHC	33.3	12.8	38	14.3	43	11	26-157/30
58-89-9	gamma-BHC (Lindane)	33.3	29.7	89	34.1	102	14	34-156/30
60-57-1	Dieldrin	33.3	37.1	111	40.6	122	9	42-171/30
72-54-8	4,4'-DDD	33.3	34.4	103	37.9	114	10	41-168/30
72-55-9	4,4'-DDE	33.3	32.3	97	34.4	103	6	42-167/30
50-29-3	4,4'-DDT	33.3	39.2	118	39.7	119	1	37-172/30
72-20-8	Endrin	33.3	37.5	112	41.4	124	10	30-191/30
1031-07-8	Endosulfan sulfate	33.3	37.6	113	41.0	123	9	41-162/30
959-98-8	Endosulfan-I	33.3	35.3	106	39.1	117	10	42-168/30
33213-65-9	Endosulfan-II	33.3	38.5	115	39.1	117	2	41-166/30
76-44-8	Heptachlor	33.3	32.8	98	37.1	111	12	43-159/30
1024-57-3	Heptachlor epoxide	33.3	34.1	102	37.3	112	9	42-167/30
118-74-1	Hexachlorobenzene	33.3	24.1	72	25.3	76	5	49-143/30
72-43-5	Methoxychlor	33.3	39.0	117	41.5	124	6	28-187/30
53494-70-5	Endrin ketone	33.3	35.4	106	37.8	113	7	32-170/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	86%	89%	10-143%
877-09-8	Tetrachloro-m-xylene	88%	93%	10-143%
2051-24-3	Decachlorobiphenyl	80%	91%	10-172%
2051-24-3	Decachlorobiphenyl	104%	105%	10-172%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49633 BS	BK65207.D	1	04/21/17	AP	04/20/17	OP49633	GBK2082
OP49633 BSD	BK65208.D	1	04/21/17	AP	04/20/17	OP49633	GBK2082

The QC reported here applies to the following samples: Method: SW846 8082A

MC50190-1, MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	267	204	76	241	90	17	47-144/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	267	168	63	220	82	27	45-156/30
37324-23-5	Aroclor 1262		ND		ND		nc	40-140/30
11100-14-4	Aroclor 1268		ND		ND		nc	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	71%	83%	25-145%
877-09-8	Tetrachloro-m-xylene	75%	81%	25-145%
2051-24-3	Decachlorobiphenyl	63%	85%	25-179%
2051-24-3	Decachlorobiphenyl	57%	78%	25-179%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8081B Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC50190-1	BE54749.D	73	56	1061* [c]	1072* [c]
MC50190-1	BE54781.D	78	54	1130* [c]	910* [c]
MC50190-2	BE54782.D	81	48	87	153
OP49634-BS	BE54723.D	86	88	80	104
OP49634-BSD	BE54724.D	89	93	91	105
OP49634-MB	BE54722.D	90	92	90	107

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	10-143%
S2 = Decachlorobiphenyl	10-172%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

7.4.1

Semivolatile Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8082A Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC50190-1	BK65268.D	87	52	137	96
MC50190-2	BK65269.D	77	64	95	88
OP49633-BS	BK65207.D	71	75	63	57
OP49633-BSD	BK65208.D	83	81	85	78
OP49633-MB	BK65206.D	87	80	76	72

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	25-145%
S2 = Decachlorobiphenyl	25-179%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

7.4.2

Semivolatile Surrogate Recovery Summary

Job Number: MC50190
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846-8015 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
MC50190-1	CR4858.D	163* [b]
MC50190-1	CR4857.D	134* [b]
MC50190-2	CR4856.D	128
OP49632 BS	CR4723.D	119
OP49632 MB	CR4722.D	114

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	17-130%

(a) Recovery from GC signal #1
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

7.4.3

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SLL

SGS ACCUTEST CHAIN OF CUSTODY

Page 1 of 1

Job Order Control #

SGS Accutest Quote #

SGS Accutest Job # MC50190

Client / Reporting Information

Company Name: SGS Accutest

Street Address: 30 D'Angelo Drive, 495 Technology Center West, Bldg One

City: Marlborough, State: MA, Zip: 0175

Project Contact: robert.bell@sgs.com

Phone #: 508-481-6200

Sampler(s) Name(s): FM

Project Information

Project Name: Maggiore Somerville 343 351 Summer Street Somerville MA

Billing Information (If different from Report to)

Company Name:

Street Address:

City: State: Zip:

Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles	LAB USE ONLY
1	PL 20 0-18" COMP		4/19/17	10:30:00 AM	FM	SO	8	X	C13
2	PL 21 0-18" COMP		4/19/17	12:15:00 PM	FM	SO	8	X	145
									4959

D.I. slurry voc vials frozen storage
Date: 4/20/17 Time: 8:27 Initials:

Turnaround Time (Business days)

- Std. 10 Business Days
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- X other Due 4/26/2017

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date:

INITIAL ASESSMENT 3/30

LABEL VERIFICATION

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL1 1 (Level 3+4)
- NJ Reduced
- Commercial "C"
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- X Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – 5 Day TAT

MCP: Must meet S-1/RCS-1 DLs

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 Helen Farley	4/20/17 12:30	1 UPS #6	2 UPS #6	4/20/17 0455	2
Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
3		3	4		4
Relinquished by	Date Time	Received By	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp
6		5	357	Intact / Not Intact	2.5c / 2.0c

8.1

8

SM089-02
Rev. Date 12/1/16

SGS Accutest Sample Receipt Summary

Job Number: MC50190 Client: Project:

Date / Time Received: 4/20/2017 6:55:00 AM Delivery Method: Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0),

Cooler Temps (Corrected) °C: Cooler 1: (3.4),

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (Bag)
4. No. Coolers:	1

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	☐ ☑	☐
2. Trip Blank listed on COC:	☐ ☑	☐
3. Samples preserved properly	☑ ☐	
4. VOCs headspace free.	☐ ☐	☑

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles	☑ ☐
2. Container labeling complete.	☑ ☐
3. Sample container label / COC agree	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT	☑ ☐
2. All containers accounted for.	☑ ☐
3. Condition of sample.	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis	☑ ☐	
4. Compositing instructions clear.	☐ ☐	☑
5. Filtering instructions clear.	☐ ☐	☑

Comments

SM089-02
Rev. Date 12/1/16

8.1

8

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50190

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50190-1 Collected: 19-APR-17 10:30 By: FM		Received: 19-APR-17 By: AS				
PL 20 0 18" COMP						
MC50190-1	SM2510B-11M/SW9050A/M	24-APR-17 04:43	MP			SCON
MC50190-1	SW846 7471B	22-APR-17 12:06	JA	22-APR-17	JA	HG
MC50190-1	SM2540 G-97	23-APR-17 12:00	KP			SOL104
MC50190-1	SW846 CHAP7/9034	23-APR-17 16:00	CB	22-APR-17	CB	SREAC
MC50190-1	SW846 CHAP7/9012 B	24-APR-17 12:28	YZ	22-APR-17	CB	CREAC
MC50190-1	SW846 9045D	25-APR-17 13:06	JA			PH
MC50190-1	SW846 8260C	25-APR-17 17:37	SY			V8260MCP
MC50190-1	SW846 8151	25-APR-17 22:15	VDT	24-APR-17	GAD	H8151STD
MC50190-1	SW846 1010A/ASTM D93	26-APR-17 23:30	PO			IGN
MC50190-1	SW846 6010C	26-APR-17 12:17	ND	25-APR-17	CSF	AG,AS,BA,CD,CR,PB,SE
MC50190-1	SW846 8270D	28-APR-17 03:23	AN	26-APR-17	RF	AB8270MCP
MC50190 1	SW846 8270D	28 APR 17 12:40	AN	26-APR 17	RF	AB8270MCP
MC50190-2 Collected: 19-APR-17 12:15 By: FM		Received: 19-APR-17 By: AS				
PL-21 0-18" COMP						
MC50190-2	SM2510B-11M/SW9050A/M	24-APR-17 04:43	MP			SCON
MC50190-2	SW846 7471B	22-APR-17 12:07	JA	22-APR-17	JA	HG
MC50190-2	SM2540 G-97	23-APR-17 12:00	KP			SOL104
MC50190-2	SW846 CHAP7/9034	23-APR-17 16:00	CB	22-APR-17	CB	SREAC
MC50190-2	SW846 CHAP7/9012 B	24-APR-17 12:30	YZ	22-APR-17	CB	CREAC
MC50190-2	SW846 9045D	25-APR-17 13:06	JA			PH
MC50190-2	SW846 8260C	25-APR-17 15:22	PS			V8260MCP
MC50190-2	SW846 8151	25-APR-17 22:44	VDT	24-APR-17	GAD	H8151STD
MC50190-2	SW846 1010A/ASTM D93	26-APR-17 23:30	PO			IGN
MC50190-2	SW846 6010C	26-APR-17 12:20	ND	25-APR-17	CSF	AG,AS,BA,CD,CR,PB,SE
MC50190-2	SW846 8270D	28-APR-17 03:50	AN	26-APR-17	RF	AB8270MCP
MC50190-2	SW846 8270D	28-APR-17 13:07	AN	26-APR-17	RF	AB8270MCP

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VV7075	SW846 8260C						
VV7075 BS	67-64 1	Acetone	BSP	REC	132	%	70 130
VV7075-BS	71-43-2	Benzene	BSP	REC	105	%	70-130
VV7075-BS	108-86-1	Bromobenzene	BSP	REC	109	%	70-130
VV7075-BS	74 97 5	Bromochloromethane	BSP	REC	110	%	70 130
VV7075-BS	75-27-4	Bromodichloromethane	BSP	REC	100	%	70-130
VV7075-BS	75-25-2	Bromoform	BSP	REC	113	%	70-130
VV7075-BS	74-83-9	Bromomethane	BSP	REC	108	%	70-130
VV7075-BS	78-93-3	2-Butanone (MEK)	BSP	REC	128	%	70-130
VV7075-BS	104-51-8	n-Butylbenzene	BSP	REC	105	%	70-130
VV7075-BS	135-98-8	sec-Butylbenzene	BSP	REC	109	%	70-130
VV7075-BS	98-06-6	tert-Butylbenzene	BSP	REC	109	%	70-130
VV7075-BS	75-15-0	Carbon disulfide	BSP	REC	99	%	70-130
VV7075-BS	56-23-5	Carbon tetrachloride	BSP	REC	101	%	70-130
VV7075-BS	108-90-7	Chlorobenzene	BSP	REC	110	%	70-130
VV7075-BS	75-00-3	Chloroethane	BSP	REC	115	%	70-130
VV7075-BS	67-66-3	Chloroform	BSP	REC	97	%	70-130
VV7075 BS	74-87 3	Chloromethane	BSP	REC	108	%	70 130
VV7075-BS	95-49-8	o-Chlorotoluene	BSP	REC	113	%	70-130
VV7075-BS	106-43-4	p-Chlorotoluene	BSP	REC	109	%	70-130
VV7075-BS	108-20-3	Di-Isopropyl ether	BSP	REC	96	%	70-130
VV7075-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	119	%	70-130
VV7075-BS	124-48-1	Dibromochloromethane	BSP	REC	107	%	70-130
VV7075-BS	106-93-4	1,2-Dibromoethane	BSP	REC	107	%	70-130
VV7075-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	109	%	70-130
VV7075-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	109	%	70-130
VV7075-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	106	%	70-130
VV7075-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	102	%	70-130
VV7075-BS	75-34-3	1,1-Dichloroethane	BSP	REC	106	%	70-130
VV7075-BS	107-06-2	1,2-Dichloroethane	BSP	REC	98	%	70-130
VV7075-BS	75-35-4	1,1-Dichloroethene	BSP	REC	110	%	70-130
VV7075-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	104	%	70-130
VV7075-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	105	%	70-130
VV7075-BS	78-87-5	1,2-Dichloropropane	BSP	REC	103	%	70-130
VV7075-BS	142-28-9	1,3-Dichloropropane	BSP	REC	107	%	70-130
VV7075-BS	594-20-7	2,2-Dichloropropane	BSP	REC	104	%	70-130
VV7075 BS	563 58 6	1,1 Dichloropropene	BSP	REC	108	%	70 130
VV7075-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	111	%	70-130
VV7075-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	107	%	70-130
VV7075-BS	123-91-1	1,4-Dioxane	BSP	REC	104	%	70-130
VV7075-BS	60-29-7	Ethyl Ether	BSP	REC	113	%	70-130
VV7075-BS	100-41-4	Ethylbenzene	BSP	REC	111	%	70-130
VV7075-BS	87-68-3	Hexachlorobutadiene	BSP	REC	120	%	70-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VV7075-BS	591-78-6	2-Hexanone	BSP	REC	117	%	70-130
VV7075-BS	98-82-8	Isopropylbenzene	BSP	REC	109	%	70-130
VV7075-BS	99-87-6	p-Isopropyltoluene	BSP	REC	113	%	70-130
VV7075-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	104	%	70-130
VV7075-BS	108-10-1	4-Methyl-2-pentanone(MIBK)	BSP	REC	115	%	70-130
VV7075-BS	74-95-3	Methylene bromide	BSP	REC	110	%	70-130
VV7075-BS	75-09-2	Methylene chloride	BSP	REC	98	%	70-130
VV7075-BS	91-20-3	Naphthalene	BSP	REC	118	%	70-130
VV7075-BS	103-65-1	n-Propylbenzene	BSP	REC	112	%	70-130
VV7075-BS	100-42-5	Styrene	BSP	REC	118	%	70-130
VV7075-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	106	%	70-130
VV7075-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	100	%	70-130
VV7075-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	108	%	70-130
VV7075-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	114	%	70-130
VV7075-BS	127-18-4	Tetrachloroethene	BSP	REC	109	%	70-130
VV7075-BS	109-99-9	Tetrahydrofuran	BSP	REC	96	%	70-130
VV7075-BS	108-88-3	Toluene	BSP	REC	107	%	70-130
VV7075-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	118	%	70-130
VV7075-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	123	%	70-130
VV7075-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	101	%	70-130
VV7075-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	109	%	70-130
VV7075-BS	79-01-6	Trichloroethene	BSP	REC	109	%	70-130
VV7075-BS	75-69-4	Trichlorofluoromethane	BSP	REC	106	%	70-130
VV7075-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	113	%	70-130
VV7075-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	110	%	70-130
VV7075-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	110	%	70-130
VV7075-BS	75-01-4	Vinyl chloride	BSP	REC	111	%	70-130
VV7075-BS		m,p-Xylene	BSP	REC	118	%	70-130
VV7075-BS	95-47-6	o-Xylene	BSP	REC	113	%	70-130
VV7075-BS	1330-20-7	Xylene (total)	BSP	REC	116	%	70-130
VV7075-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	98	%	70-130
VV7075-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	70-130
VV7075-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	96	%	70-130
VV7075-BSD	67-64-1	Acetone	BSD	REC	112	%	70-130
VV7075-BSD	67-64-1	Acetone	BSD	RPD	17	%	20
VV7075-BSD	71-43-2	Benzene	BSD	REC	100	%	70-130
VV7075-BSD	71-43-2	Benzene	BSD	RPD	5	%	20
VV7075-BSD	108-86-1	Bromobenzene	BSD	REC	103	%	70-130
VV7075-BSD	108-86-1	Bromobenzene	BSD	RPD	6	%	20
VV7075-BSD	74-97-5	Bromochloromethane	BSD	REC	106	%	70-130
VV7075-BSD	74-97-5	Bromochloromethane	BSD	RPD	3	%	20
VV7075-BSD	75-27-4	Bromodichloromethane	BSD	REC	98	%	70-130
VV7075-BSD	75-27-4	Bromodichloromethane	BSD	RPD	3	%	20
VV7075-BSD	75-25-2	Bromoform	BSD	REC	113	%	70-130
VV7075-BSD	75-25-2	Bromoform	BSD	RPD	0	%	20

8.3

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VV7075-BSD	74-83-9	Bromomethane	BSD	REC	100	%	70-130
VV7075-BSD	74-83-9	Bromomethane	BSD	RPD	8	%	20
VV7075-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	119	%	70-130
VV7075-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	7	%	20
VV7075-BSD	104-51-8	n-Butylbenzene	BSD	REC	95	%	70-130
VV7075-BSD	104-51-8	n-Butylbenzene	BSD	RPD	10	%	20
VV7075-BSD	135-98-8	sec-Butylbenzene	BSD	REC	101	%	70-130
VV7075-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	7	%	20
VV7075-BSD	98-06-6	tert-Butylbenzene	BSD	REC	101	%	70-130
VV7075-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	8	%	20
VV7075-BSD	75-15-0	Carbon disulfide	BSD	REC	91	%	70-130
VV7075-BSD	75-15-0	Carbon disulfide	BSD	RPD	8	%	20
VV7075-BSD	56-23-5	Carbon tetrachloride	BSD	REC	91	%	70-130
VV7075-BSD	56-23-5	Carbon tetrachloride	BSD	RPD	11	%	20
VV7075-BSD	108-90-7	Chlorobenzene	BSD	REC	103	%	70-130
VV7075-BSD	108-90-7	Chlorobenzene	BSD	RPD	7	%	20
VV7075-BSD	75-00-3	Chloroethane	BSD	REC	103	%	70-130
VV7075-BSD	75-00-3	Chloroethane	BSD	RPD	10	%	20
VV7075-BSD	67-66-3	Chloroform	BSD	REC	89	%	70-130
VV7075-BSD	67-66-3	Chloroform	BSD	RPD	8	%	20
VV7075-BSD	74-87-3	Chloromethane	BSD	REC	102	%	70-130
VV7075-BSD	74-87-3	Chloromethane	BSD	RPD	6	%	20
VV7075-BSD	95-49-8	o-Chlorotoluene	BSD	REC	107	%	70-130
VV7075-BSD	95-49-8	o-Chlorotoluene	BSD	RPD	6	%	20
VV7075-BSD	106-43-4	p-Chlorotoluene	BSD	REC	103	%	70-130
VV7075-BSD	106-43-4	p-Chlorotoluene	BSD	RPD	6	%	20
VV7075-BSD	108-20-3	Di-Isopropyl ether	BSD	REC	91	%	70-130
VV7075-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD	6	%	20
VV7075-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC	122	%	70-130
VV7075-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD	2	%	20
VV7075-BSD	124-48-1	Dibromochloromethane	BSD	REC	104	%	70-130
VV7075-BSD	124-48-1	Dibromochloromethane	BSD	RPD	3	%	20
VV7075-BSD	106-93-4	1,2-Dibromoethane	BSD	REC	104	%	70-130
VV7075-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD	2	%	20
VV7075-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	105	%	70-130
VV7075-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	4	%	20
VV7075-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	102	%	70-130
VV7075-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	6	%	20
VV7075-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	100	%	70-130
VV7075-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	6	%	20
VV7075-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	90	%	70-130
VV7075-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD	12	%	20
VV7075-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	96	%	70-130
VV7075-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	10	%	20
VV7075-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	97	%	70-130

8.3

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VV7075-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	2	%	20
VV7075-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	92	%	70-130
VV7075-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	18	%	20
VV7075-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	98	%	70-130
VV7075-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	6	%	20
VV7075-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	94	%	70-130
VV7075-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	10	%	20
VV7075-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	99	%	70-130
VV7075-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	4	%	20
VV7075-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	102	%	70-130
VV7075-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	5	%	20
VV7075-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	94	%	70-130
VV7075-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	10	%	20
VV7075-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	96	%	70-130
VV7075-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	11	%	20
VV7075-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	107	%	70-130
VV7075-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	4	%	20
VV7075-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	103	%	70-130
VV7075-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	4	%	20
VV7075-BSD	123-91-1	1,4-Dioxane	BSD	REC	102	%	70-130
VV7075-BSD	123-91-1	1,4-Dioxane	BSD	RPD	2	%	20
VV7075-BSD	60-29-7	Ethyl Ether	BSD	REC	110	%	70-130
VV7075-BSD	60-29-7	Ethyl Ether	BSD	RPD	3	%	20
VV7075-BSD	100-41-4	Ethylbenzene	BSD	REC	102	%	70-130
VV7075-BSD	100-41-4	Ethylbenzene	BSD	RPD	9	%	20
VV7075-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	114	%	70-130
VV7075-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	5	%	20
VV7075-BSD	591-78-6	2-Hexanone	BSD	REC	114	%	70-130
VV7075-BSD	591-78-6	2-Hexanone	BSD	RPD	2	%	20
VV7075-BSD	98-82-8	Isopropylbenzene	BSD	REC	102	%	70-130
VV7075-BSD	98-82-8	Isopropylbenzene	BSD	RPD	7	%	20
VV7075-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	104	%	70-130
VV7075-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	9	%	20
VV7075-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	104	%	70-130
VV7075-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	0	%	20
VV7075-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	REC	117	%	70-130
VV7075-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	RPD	2	%	20
VV7075-BSD	74-95-3	Methylene bromide	BSD	REC	107	%	70-130
VV7075-BSD	74-95-3	Methylene bromide	BSD	RPD	3	%	20
VV7075-BSD	75-09-2	Methylene chloride	BSD	REC	94	%	70-130
VV7075-BSD	75-09-2	Methylene chloride	BSD	RPD	5	%	20
VV7075-BSD	91-20-3	Naphthalene	BSD	REC	119	%	70-130
VV7075-BSD	91-20-3	Naphthalene	BSD	RPD	1	%	20
VV7075-BSD	103-65-1	n-Propylbenzene	BSD	REC	102	%	70-130
VV7075-BSD	103-65-1	n Propylbenzene	BSD	RPD	10	%	20

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VV7075-BSD	100-42-5	Styrene	BSD	REC	110	%	70-130
VV7075-BSD	100-42-5	Styrene	BSD	RPD	7	%	20
VV7075-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	105	%	70-130
VV7075-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	1	%	20
VV7075-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	97	%	70-130
VV7075-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	3	%	20
VV7075-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	103	%	70-130
VV7075-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	4	%	20
VV7075-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	111	%	70-130
VV7075-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	2	%	20
VV7075-BSD	127-18-4	Tetrachloroethene	BSD	REC	98	%	70-130
VV7075-BSD	127-18-4	Tetrachloroethene	BSD	RPD	11	%	20
VV7075-BSD	109-99-9	Tetrahydrofuran	BSD	REC	94	%	70-130
VV7075-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	2	%	20
VV7075-BSD	108-88-3	Toluene	BSD	REC	100	%	70-130
VV7075-BSD	108-88-3	Toluene	BSD	RPD	7	%	20
VV7075-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	117	%	70-130
VV7075-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	1	%	20
VV7075-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	118	%	70-130
VV7075-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	4	%	20
VV7075-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	90	%	70-130
VV7075-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	12	%	20
VV7075-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	105	%	70-130
VV7075-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	4	%	20
VV7075-BSD	79-01-6	Trichloroethene	BSD	REC	102	%	70-130
VV7075-BSD	79-01-6	Trichloroethene	BSD	RPD	6	%	20
VV7075-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	95	%	70-130
VV7075-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	11	%	20
VV7075-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	108	%	70-130
VV7075-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	5	%	20
VV7075-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	102	%	70-130
VV7075-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	8	%	20
VV7075-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	101	%	70-130
VV7075-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	9	%	20
VV7075-BSD	75-01-4	Vinyl chloride	BSD	REC	102	%	70-130
VV7075-BSD	75-01-4	Vinyl chloride	BSD	RPD	8	%	20
VV7075-BSD		m,p-Xylene	BSD	REC	109	%	70-130
VV7075-BSD		m,p-Xylene	BSD	RPD	8	%	20
VV7075-BSD	95-47-6	o-Xylene	BSD	REC	107	%	70-130
VV7075-BSD	95-47-6	o-Xylene	BSD	RPD	5	%	20
VV7075-BSD	1330-20-7	Xylene (total)	BSD	REC	109	%	70-130
VV7075-BSD	1330-20-7	Xylene (total)	BSD	RPD	7	%	20
VV7075-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	97	%	70-130
VV7075-BSD	2037-26-5	Toluene-D8	BSD	SURR	99	%	70-130
VV7075-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	97	%	70-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VV7075-MB	1868-53-7	Dibromofluoromethane	MB	SURR	109	%	70-130
VV7075-MB	2037-26-5	Toluene-D8	MB	SURR	95	%	70-130
VV7075-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	94	%	70-130
MC50190-1	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	70-130
MC50190-1	2037-26-5	Toluene-D8	SAMP	SURR	97	%	70-130
MC50190-1	460-00-4	4-Bromofluorobenzene	SAMP	SURR	94	%	70-130
VY7434	SW846 8260C						
VY7434-BS	67-64-1	Acetone	BSP	REC	108	%	70-130
VY7434-BS	71-43-2	Benzene	BSP	REC	90	%	70-130
VY7434-BS	108-86-1	Bromobenzene	BSP	REC	102	%	70-130
VY7434-BS	74-97-5	Bromochloromethane	BSP	REC	93	%	70-130
VY7434-BS	75-27-4	Bromodichloromethane	BSP	REC	90	%	70-130
VY7434-BS	75-25-2	Bromoform	BSP	REC	102	%	70-130
VY7434-BS	74-83-9	Bromomethane	BSP	REC	85	%	70-130
VY7434-BS	78-93-3	2-Butanone (MEK)	BSP	REC	119	%	70-130
VY7434-BS	104-51-8	n-Butylbenzene	BSP	REC	92	%	70-130
VY7434-BS	135-98-8	sec-Butylbenzene	BSP	REC	92	%	70-130
VY7434-BS	98-06-6	tert-Butylbenzene	BSP	REC	94	%	70-130
VY7434-BS	75-15-0	Carbon disulfide	BSP	REC	97	%	70-130
VY7434-BS	56-23-5	Carbon tetrachloride	BSP	REC	89	%	70-130
VY7434-BS	108-90-7	Chlorobenzene	BSP	REC	95	%	70-130
VY7434-BS	75-00-3	Chloroethane	BSP	REC	90	%	70-130
VY7434-BS	67-66-3	Chloroform	BSP	REC	86	%	70-130
VY7434-BS	74-87-3	Chloromethane	BSP	REC	88	%	70-130
VY7434-BS	95-49-8	o-Chlorotoluene	BSP	REC	100	%	70-130
VY7434-BS	106-43-4	p-Chlorotoluene	BSP	REC	96	%	70-130
VY7434-BS	108-20-3	Di-Isopropyl ether	BSP	REC	96	%	70-130
VY7434-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	93	%	70-130
VY7434-BS	124-48-1	Dibromochloromethane	BSP	REC	95	%	70-130
VY7434-BS	106-93-4	1,2-Dibromoethane	BSP	REC	97	%	70-130
VY7434-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	96	%	70-130
VY7434-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	97	%	70-130
VY7434-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	95	%	70-130
VY7434-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	84	%	70-130
VY7434-BS	75-34-3	1,1-Dichloroethane	BSP	REC	94	%	70-130
VY7434-BS	107-06-2	1,2-Dichloroethane	BSP	REC	88	%	70-130
VY7434-BS	75-35-4	1,1-Dichloroethene	BSP	REC	91	%	70-130
VY7434-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	88	%	70-130
VY7434-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	94	%	70-130
VY7434-BS	78-87-5	1,2-Dichloropropane	BSP	REC	96	%	70-130
VY7434-BS	142-28-9	1,3-Dichloropropane	BSP	REC	97	%	70-130
VY7434-BS	594-20-7	2,2-Dichloropropane	BSP	REC	92	%	70-130
VY7434-BS	563-58-6	1,1-Dichloropropene	BSP	REC	89	%	70-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY7434-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	99	%	70-130
VY7434-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	93	%	70-130
VY7434-BS	123-91-1	1,4-Dioxane	BSP	REC	92	%	70-130
VY7434-BS	60-29-7	Ethyl Ether	BSP	REC	99	%	70-130
VY7434-BS	100-41-4	Ethylbenzene	BSP	REC	91	%	70-130
VY7434-BS	87-68-3	Hexachlorobutadiene	BSP	REC	95	%	70-130
VY7434-BS	591-78-6	2-Hexanone	BSP	REC	121	%	70-130
VY7434-BS	98-82-8	Isopropylbenzene	BSP	REC	89	%	70-130
VY7434-BS	99-87-6	p-Isopropyltoluene	BSP	REC	93	%	70-130
VY7434-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	96	%	70-130
VY7434-BS	108-10-1	4-Methyl-2-pentanone(MIBK)	BSP	REC	119	%	70-130
VY7434-BS	74-95-3	Methylene bromide	BSP	REC	96	%	70-130
VY7434-BS	75-09-2	Methylene chloride	BSP	REC	95	%	70-130
VY7434-BS	91-20-3	Naphthalene	BSP	REC	97	%	70-130
VY7434-BS	103-65-1	n-Propylbenzene	BSP	REC	96	%	70-130
VY7434-BS	100-42-5	Styrene	BSP	REC	93	%	70-130
VY7434-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	95	%	70-130
VY7434-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	98	%	70-130
VY7434-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	87	%	70-130
VY7434-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	105	%	70-130
VY7434-BS	127-18-4	Tetrachloroethene	BSP	REC	90	%	70-130
VY7434-BS	109-99-9	Tetrahydrofuran	BSP	REC	126	%	70-130
VY7434-BS	108-88-3	Toluene	BSP	REC	90	%	70-130
VY7434-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	100	%	70-130
VY7434-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	98	%	70-130
VY7434-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	88	%	70-130
VY7434-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	97	%	70-130
VY7434-BS	79-01-6	Trichloroethene	BSP	REC	94	%	70-130
VY7434-BS	75-69-4	Trichlorofluoromethane	BSP	REC	95	%	70-130
VY7434-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	105	%	70-130
VY7434-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	93	%	70-130
VY7434-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	94	%	70-130
VY7434-BS	75-01-4	Vinyl chloride	BSP	REC	91	%	70-130
VY7434-BS		m,p-Xylene	BSP	REC	95	%	70-130
VY7434-BS	95-47-6	o-Xylene	BSP	REC	88	%	70-130
VY7434-BS	1330-20-7	Xylene (total)	BSP	REC	93	%	70-130
VY7434-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	98	%	70-130
VY7434-BS	2037-26-5	Toluene-D8	BSP	SURR	98	%	70-130
VY7434-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	107	%	70-130
VY7434-BSD	67-64-1	Acetone	BSD	REC	92	%	70-130
VY7434-BSD	67-64-1	Acetone	BSD	RPD	16	%	20
VY7434-BSD	71-43-2	Benzene	BSD	REC	86	%	70-130
VY7434-BSD	71-43-2	Benzene	BSD	RPD	4	%	20
VY7434-BSD	108-86-1	Bromobenzene	BSD	REC	98	%	70-130
VY7434-BSD	108-86-1	Bromobenzene	BSD	RPD	4	%	20

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY7434-BSD	74-97-5	Bromochloromethane	BSD	REC	89	%	70-130
VY7434-BSD	74-97-5	Bromochloromethane	BSD	RPD	5	%	20
VY7434-BSD	75-27-4	Bromodichloromethane	BSD	REC	89	%	70-130
VY7434-BSD	75-27-4	Bromodichloromethane	BSD	RPD	2	%	20
VY7434-BSD	75-25-2	Bromoform	BSD	REC	98	%	70-130
VY7434-BSD	75-25-2	Bromoform	BSD	RPD	4	%	20
VY7434-BSD	74-83-9	Bromomethane	BSD	REC	78	%	70-130
VY7434-BSD	74-83-9	Bromomethane	BSD	RPD	8	%	20
VY7434-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	109	%	70-130
VY7434-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	9	%	20
VY7434-BSD	104-51-8	n-Butylbenzene	BSD	REC	88	%	70-130
VY7434-BSD	104-51-8	n-Butylbenzene	BSD	RPD	5	%	20
VY7434-BSD	135-98-8	sec-Butylbenzene	BSD	REC	87	%	70-130
VY7434-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	5	%	20
VY7434-BSD	98-06-6	tert-Butylbenzene	BSD	REC	90	%	70-130
VY7434-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	4	%	20
VY7434-BSD	75-15-0	Carbon disulfide	BSD	REC	90	%	70-130
VY7434-BSD	75-15-0	Carbon disulfide	BSD	RPD	8	%	20
VY7434-BSD	56-23-5	Carbon tetrachloride	BSD	REC	82	%	70-130
VY7434-BSD	56-23-5	Carbon tetrachloride	BSD	RPD	8	%	20
VY7434-BSD	108-90-7	Chlorobenzene	BSD	REC	92	%	70-130
VY7434-BSD	108-90-7	Chlorobenzene	BSD	RPD	3	%	20
VY7434-BSD	75-00-3	Chloroethane	BSD	REC	84	%	70-130
VY7434-BSD	75-00-3	Chloroethane	BSD	RPD	7	%	20
VY7434-BSD	67-66-3	Chloroform	BSD	REC	83	%	70-130
VY7434-BSD	67-66-3	Chloroform	BSD	RPD	4	%	20
VY7434-BSD	74-87-3	Chloromethane	BSD	REC	79	%	70-130
VY7434-BSD	74-87-3	Chloromethane	BSD	RPD	11	%	20
VY7434-BSD	95-49-8	o-Chlorotoluene	BSD	REC	96	%	70-130
VY7434-BSD	95-49-8	o-Chlorotoluene	BSD	RPD	4	%	20
VY7434-BSD	106-43-4	p-Chlorotoluene	BSD	REC	93	%	70-130
VY7434-BSD	106-43-4	p-Chlorotoluene	BSD	RPD	3	%	20
VY7434-BSD	108-20-3	Di-Isopropyl ether	BSD	REC	93	%	70-130
VY7434-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD	3	%	20
VY7434-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC	90	%	70-130
VY7434-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD	4	%	20
VY7434-BSD	124-48-1	Dibromochloromethane	BSD	REC	91	%	70-130
VY7434-BSD	124-48-1	Dibromochloromethane	BSD	RPD	5	%	20
VY7434-BSD	106-93-4	1,2-Dibromoethane	BSD	REC	94	%	70-130
VY7434-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD	4	%	20
VY7434-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	93	%	70-130
VY7434-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	4	%	20
VY7434-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	94	%	70-130
VY7434-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	3	%	20
VY7434-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	93	%	70-130

8.3.8

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY7434-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	3	%	20
VY7434-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	76	%	70-130
VY7434-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD	11	%	20
VY7434-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	89	%	70-130
VY7434-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	6	%	20
VY7434-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	86	%	70-130
VY7434-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	3	%	20
VY7434-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	85	%	70-130
VY7434-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	8	%	20
VY7434-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	85	%	70-130
VY7434-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	3	%	20
VY7434-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	89	%	70-130
VY7434-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	6	%	20
VY7434-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	95	%	70-130
VY7434-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	1	%	20
VY7434-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	94	%	70-130
VY7434-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	3	%	20
VY7434-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	86	%	70-130
VY7434-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	6	%	20
VY7434-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	86	%	70-130
VY7434-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	4	%	20
VY7434-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	97	%	70-130
VY7434-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	2	%	20
VY7434-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	91	%	70-130
VY7434-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	2	%	20
VY7434-BSD	123-91-1	1,4-Dioxane	BSD	REC	95	%	70-130
VY7434-BSD	123-91-1	1,4-Dioxane	BSD	RPD	3	%	20
VY7434-BSD	60-29-7	Ethyl Ether	BSD	REC	95	%	70-130
VY7434-BSD	60-29-7	Ethyl Ether	BSD	RPD	4	%	20
VY7434-BSD	100-41-4	Ethylbenzene	BSD	REC	88	%	70-130
VY7434-BSD	100-41-4	Ethylbenzene	BSD	RPD	3	%	20
VY7434-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	90	%	70-130
VY7434-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	5	%	20
VY7434-BSD	591-78-6	2-Hexanone	BSD	REC	111	%	70-130
VY7434-BSD	591-78-6	2-Hexanone	BSD	RPD	9	%	20
VY7434-BSD	98-82-8	Isopropylbenzene	BSD	REC	85	%	70-130
VY7434-BSD	98-82-8	Isopropylbenzene	BSD	RPD	5	%	20
VY7434-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	89	%	70-130
VY7434-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	5	%	20
VY7434-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	91	%	70-130
VY7434-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	6	%	20
VY7434-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	REC	111	%	70-130
VY7434-BSD	108-10-1	4-Methyl-2-pentanone(MIBK)	BSD	RPD	7	%	20
VY7434-BSD	74-95-3	Methylene bromide	BSD	REC	91	%	70-130
VY7434-BSD	74-95-3	Methylene bromide	BSD	RPD	5	%	20

8.3.8

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY7434-BSD	75-09-2	Methylene chloride	BSD	REC	90	%	70-130
VY7434-BSD	75-09-2	Methylene chloride	BSD	RPD	6	%	20
VY7434-BSD	91-20-3	Naphthalene	BSD	REC	92	%	70-130
VY7434-BSD	91-20-3	Naphthalene	BSD	RPD	5	%	20
VY7434-BSD	103-65-1	n-Propylbenzene	BSD	REC	91	%	70-130
VY7434-BSD	103-65-1	n-Propylbenzene	BSD	RPD	4	%	20
VY7434-BSD	100-42-5	Styrene	BSD	REC	91	%	70-130
VY7434-BSD	100-42-5	Styrene	BSD	RPD	2	%	20
VY7434-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	90	%	70-130
VY7434-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	5	%	20
VY7434-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	95	%	70-130
VY7434-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	3	%	20
VY7434-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	85	%	70-130
VY7434-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	3	%	20
VY7434-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	99	%	70-130
VY7434-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	6	%	20
VY7434-BSD	127-18-4	Tetrachloroethene	BSD	REC	87	%	70-130
VY7434-BSD	127-18-4	Tetrachloroethene	BSD	RPD	3	%	20
VY7434-BSD	109-99-9	Tetrahydrofuran	BSD	REC	116	%	70-130
VY7434-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	8	%	20
VY7434-BSD	108-88-3	Toluene	BSD	REC	87	%	70-130
VY7434-BSD	108-88-3	Toluene	BSD	RPD	3	%	20
VY7434-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	96	%	70-130
VY7434-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	4	%	20
VY7434-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	94	%	70-130
VY7434-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	3	%	20
VY7434-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	82	%	70-130
VY7434-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	7	%	20
VY7434-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	94	%	70-130
VY7434-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	3	%	20
VY7434-BSD	79-01-6	Trichloroethene	BSD	REC	91	%	70-130
VY7434-BSD	79-01-6	Trichloroethene	BSD	RPD	4	%	20
VY7434-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	88	%	70-130
VY7434-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	7	%	20
VY7434-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	99	%	70-130
VY7434-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	6	%	20
VY7434-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	90	%	70-130
VY7434-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	3	%	20
VY7434-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	90	%	70-130
VY7434-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	4	%	20
VY7434-BSD	75-01-4	Vinyl chloride	BSD	REC	82	%	70-130
VY7434-BSD	75-01-4	Vinyl chloride	BSD	RPD	9	%	20
VY7434-BSD		m,p-Xylene	BSD	REC	91	%	70-130
VY7434-BSD		m,p-Xylene	BSD	RPD	4	%	20
VY7434-BSD	95-47-6	o-Xylene	BSD	REC	85	%	70-130

8.3

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VY7434-BSD	95-47-6	o-Xylene	BSD	RPD	3	%	20
VY7434-BSD	1330-20-7	Xylene (total)	BSD	REC	89	%	70-130
VY7434-BSD	1330-20-7	Xylene (total)	BSD	RPD	4	%	20
VY7434-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	97	%	70-130
VY7434-BSD	2037-26-5	Toluene-D8	BSD	SURR	98	%	70-130
VY7434-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	108	%	70-130
VY7434-MB	1868-53-7	Dibromofluoromethane	MB	SURR	99	%	70-130
VY7434-MB	2037-26-5	Toluene-D8	MB	SURR	97	%	70-130
VY7434-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	112	%	70-130
MC50190-2	1868-53-7	Dibromofluoromethane	SAMP	SURR	101	%	70-130
MC50190-2	2037-26-5	Toluene-D8	SAMP	SURR	99	%	70-130
MC50190-2	460-00-4	4-Bromofluorobenzene	SAMP	SURR	119	%	70-130
OP2255	SW846 8270D						
OP2255-BS1	65-85-0	Benzoic acid	BSP	REC	88	%	30-130
OP2255-BS1	95-57-8	2-Chlorophenol	BSP	REC	77	%	30-130
OP2255-BS1	59-50-7	4-Chloro-3-methyl phenol	BSP	REC	79	%	30-130
OP2255-BS1	120-83-2	2,4-Dichlorophenol	BSP	REC	81	%	30-130
OP2255-BS1	105-67-9	2,4-Dimethylphenol	BSP	REC	74	%	30-130
OP2255-BS1	51-28-5	2,4-Dinitrophenol	BSP	REC	89	%	30-130
OP2255-BS1	534-52-1	4,6-Dinitro-o-cresol	BSP	REC	87	%	30-130
OP2255-BS1	95-48-7	2-Methylphenol	BSP	REC	80	%	30-130
OP2255-BS1		3&4-Methylphenol	BSP	REC	82	%	30-130
OP2255-BS1	88-75-5	2-Nitrophenol	BSP	REC	80	%	30-130
OP2255-BS1	100-02-7	4-Nitrophenol	BSP	REC	97	%	30-130
OP2255-BS1	87-86-5	Pentachlorophenol	BSP	REC	101	%	30-130
OP2255-BS1	108-95-2	Phenol	BSP	REC	79	%	30-130
OP2255-BS1	95-95-4	2,4,5-Trichlorophenol	BSP	REC	93	%	30-130
OP2255-BS1	88-06-2	2,4,6-Trichlorophenol	BSP	REC	95	%	30-130
OP2255-BS1	83-32-9	Acenaphthene	BSP	REC	87	%	40-140
OP2255-BS1	208-96-8	Acenaphthylene	BSP	REC	89	%	40-140
OP2255-BS1	98-86-2	Acetophenone	BSP	REC	80	%	40-140
OP2255-BS1	62-53-3	Aniline	BSP	REC	52	%	40-140
OP2255-BS1	120-12-7	Anthracene	BSP	REC	93	%	40-140
OP2255-BS1	56-55-3	Benzo(a)anthracene	BSP	REC	92	%	40-140
OP2255-BS1	50-32-8	Benzo(a)pyrene	BSP	REC	96	%	40-140
OP2255-BS1	205-99-2	Benzo(b)fluoranthene	BSP	REC	92	%	40-140
OP2255-BS1	191-24-2	Benzo(g,h,i)perylene	BSP	REC	94	%	40-140
OP2255-BS1	207-08-9	Benzo(k)fluoranthene	BSP	REC	98	%	40-140
OP2255-BS1	101-55-3	4-Bromophenyl phenyl ether	BSP	REC	98	%	40-140
OP2255-BS1	85-68-7	Butyl benzyl phthalate	BSP	REC	98	%	40-140
OP2255-BS1	91-58-7	2-Chloronaphthalene	BSP	REC	94	%	40-140
OP2255-BS1	106-47-8	4-Chloroaniline	BSP	REC	46	%	40-140
OP2255-BS1	218-01-9	Chrysene	BSP	REC	91	%	40-140

8.3

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP2255-BS1	111-91-1	bis(2-Chloroethoxy)methane	BSP	REC	80	%	40-140
OP2255-BS1	111-44-4	bis(2-Chloroethyl)ether	BSP	REC	86	%	40-140
OP2255-BS1	108-60-1	bis(2-Chloroisopropyl)ether	BSP	REC	85	%	40-140
OP2255-BS1	7005-72-3	4-Chlorophenyl phenyl ether	BSP	REC	94	%	40-140
OP2255-BS1	95-50-1	1,2-Dichlorobenzene	BSP	REC	88	%	40-140
OP2255-BS1	122-66-7	1,2-Diphenylhydrazine	BSP	REC	93	%	40-140
OP2255-BS1	541-73-1	1,3-Dichlorobenzene	BSP	REC	86	%	40-140
OP2255-BS1	106-46-7	1,4-Dichlorobenzene	BSP	REC	86	%	40-140
OP2255-BS1	121-14-2	2,4-Dinitrotoluene	BSP	REC	99	%	40-140
OP2255-BS1	606-20-2	2,6-Dinitrotoluene	BSP	REC	97	%	40-140
OP2255-BS1	91-94-1	3,3'-Dichlorobenzidine	BSP	REC	74	%	40-140
OP2255-BS1	53-70-3	Dibenzo(a,h)anthracene	BSP	REC	96	%	40-140
OP2255-BS1	132-64-9	Dibenzofuran	BSP	REC	92	%	40-140
OP2255-BS1	84-74-2	Di-n-butyl phthalate	BSP	REC	96	%	40-140
OP2255-BS1	117-84-0	Di-n-octyl phthalate	BSP	REC	96	%	40-140
OP2255-BS1	84-66-2	Diethyl phthalate	BSP	REC	93	%	40-140
OP2255-BS1	131-11-3	Dimethyl phthalate	BSP	REC	93	%	40-140
OP2255-BS1	117-81-7	bis(2-Ethylhexyl)phthalate	BSP	REC	98	%	40-140
OP2255-BS1	206-44-0	Fluoranthene	BSP	REC	95	%	40-140
OP2255-BS1	86-73-7	Fluorene	BSP	REC	91	%	40-140
OP2255-BS1	118-74-1	Hexachlorobenzene	BSP	REC	99	%	40-140
OP2255-BS1	87-68-3	Hexachlorobutadiene	BSP	REC	87	%	40-140
OP2255-BS1	77-47-4	Hexachlorocyclopentadiene	BSP	REC	97	%	40-140
OP2255-BS1	67-72-1	Hexachloroethane	BSP	REC	91	%	40-140
OP2255-BS1	193-39-5	Indeno(1,2,3-cd)pyrene	BSP	REC	86	%	40-140
OP2255-BS1	78-59-1	Isophorone	BSP	REC	77	%	40-140
OP2255-BS1	91-57-6	2-Methylnaphthalene	BSP	REC	79	%	40-140
OP2255-BS1	91-20-3	Naphthalene	BSP	REC	75	%	40-140
OP2255-BS1	98-95-3	Nitrobenzene	BSP	REC	75	%	40-140
OP2255-BS1	62-75-9	n-Nitrosodimethylamine	BSP	REC	70	%	40-140
OP2255-BS1	621-64-7	N-Nitroso-di-n-propylamine	BSP	REC	81	%	40-140
OP2255-BS1	86-30-6	N-Nitrosodiphenylamine	BSP	REC	98	%	40-140
OP2255-BS1	85-01-8	Phenanthrene	BSP	REC	91	%	40-140
OP2255-BS1	129-00-0	Pyrene	BSP	REC	95	%	40-140
OP2255-BS1	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	83	%	40-140
OP2255-BS1	367-12-4	2-Fluorophenol	BSP	SURR	86	%	30-130
OP2255-BS1	4165-62-2	Phenol-d5	BSP	SURR	86	%	30-130
OP2255-BS1	118-79-6	2,4,6-Tribromophenol	BSP	SURR	110	%	30-130
OP2255-BS1	4165-60-0	Nitrobenzene-d5	BSP	SURR	75	%	30-130
OP2255-BS1	321-60-8	2-Fluorobiphenyl	BSP	SURR	93	%	30-130
OP2255-BS1	1718-51-0	Terphenyl-d14	BSP	SURR	100	%	30-130
OP2255-BS13	367-12-4	2-Fluorophenol	BSP	SURR	76	%	30-130
OP2255-BS13	4165-62-2	Phenol-d5	BSP	SURR	75	%	30-130
OP2255-BS13	118-79-6	2,4,6-Tribromophenol	BSP	SURR	97	%	30-130
OP2255-BS13	4165-60-0	Nitrobenzene-d5	BSP	SURR	73	%	30-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP2255-BS13	321-60-8	2-Fluorobiphenyl	BSP	SURR	81	%	30-130
OP2255-BS13	1718-51-0	Terphenyl-d14	BSP	SURR	100	%	30-130
OP2255-BSD	65-85-0	Benzoic acid	BSD	REC	88	%	30-130
OP2255-BSD	65-85-0	Benzoic acid	BSD	RPD	1	%	30
OP2255-BSD	95-57-8	2-Chlorophenol	BSD	REC	77	%	30-130
OP2255-BSD	95-57-8	2-Chlorophenol	BSD	RPD	0	%	30
OP2255-BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	REC	79	%	30-130
OP2255-BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	RPD	1	%	30
OP2255-BSD	120-83-2	2,4-Dichlorophenol	BSD	REC	82	%	30-130
OP2255-BSD	120-83-2	2,4-Dichlorophenol	BSD	RPD	1	%	30
OP2255-BSD	105-67-9	2,4-Dimethylphenol	BSD	REC	77	%	30-130
OP2255-BSD	105-67-9	2,4-Dimethylphenol	BSD	RPD	3	%	30
OP2255-BSD	51-28-5	2,4-Dinitrophenol	BSD	REC	91	%	30-130
OP2255-BSD	51-28-5	2,4-Dinitrophenol	BSD	RPD	1	%	30
OP2255-BSD	534-52-1	4,6-Dinitro-o-cresol	BSD	REC	86	%	30-130
OP2255-BSD	534-52-1	4,6-Dinitro-o-cresol	BSD	RPD	1	%	30
OP2255-BSD	95-48-7	2-Methylphenol	BSD	REC	82	%	30-130
OP2255-BSD	95-48-7	2-Methylphenol	BSD	RPD	2	%	30
OP2255-BSD		3&4-Methylphenol	BSD	REC	84	%	30-130
OP2255-BSD		3&4-Methylphenol	BSD	RPD	2	%	30
OP2255-BSD	88-75-5	2-Nitrophenol	BSD	REC	80	%	30-130
OP2255-BSD	88-75-5	2-Nitrophenol	BSD	RPD	0	%	30
OP2255-BSD	100-02-7	4-Nitrophenol	BSD	REC	96	%	30-130
OP2255-BSD	100-02-7	4-Nitrophenol	BSD	RPD	1	%	30
OP2255-BSD	87-86-5	Pentachlorophenol	BSD	REC	99	%	30-130
OP2255-BSD	87-86-5	Pentachlorophenol	BSD	RPD	2	%	30
OP2255-BSD	108-95-2	Phenol	BSD	REC	81	%	30-130
OP2255-BSD	108-95-2	Phenol	BSD	RPD	2	%	30
OP2255-BSD	95-95-4	2,4,5-Trichlorophenol	BSD	REC	91	%	30-130
OP2255-BSD	95-95-4	2,4,5-Trichlorophenol	BSD	RPD	2	%	30
OP2255-BSD	88-06-2	2,4,6-Trichlorophenol	BSD	REC	94	%	30-130
OP2255-BSD	88-06-2	2,4,6-Trichlorophenol	BSD	RPD	1	%	30
OP2255-BSD	83-32-9	Acenaphthene	BSD	REC	85	%	40-140
OP2255-BSD	83-32-9	Acenaphthene	BSD	RPD	2	%	30
OP2255-BSD	208-96-8	Acenaphthylene	BSD	REC	87	%	40-140
OP2255-BSD	208-96-8	Acenaphthylene	BSD	RPD	3	%	30
OP2255-BSD	98-86-2	Acetophenone	BSD	REC	81	%	40-140
OP2255-BSD	98-86-2	Acetophenone	BSD	RPD	1	%	30
OP2255-BSD	62-53-3	Aniline	BSD	REC	56	%	40-140
OP2255-BSD	62-53-3	Aniline	BSD	RPD	8	%	30
OP2255-BSD	120-12-7	Anthracene	BSD	REC	88	%	40-140
OP2255-BSD	120-12-7	Anthracene	BSD	RPD	6	%	30
OP2255-BSD	56-55-3	Benzo(a)anthracene	BSD	REC	87	%	40-140
OP2255-BSD	56-55-3	Benzo(a)anthracene	BSD	RPD	6	%	30
OP2255-BSD	50-32-8	Benzo(a)pyrene	BSD	REC	91	%	40-140

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP2255-BSD	50-32-8	Benzo(a)pyrene	BSD	RPD	5	%	30
OP2255-BSD	205-99-2	Benzo(b)fluoranthene	BSD	REC	87	%	40-140
OP2255-BSD	205-99-2	Benzo(b)fluoranthene	BSD	RPD	6	%	30
OP2255-BSD	191-24-2	Benzo(g,h,i)perylene	BSD	REC	90	%	40-140
OP2255-BSD	191-24-2	Benzo(g,h,i)perylene	BSD	RPD	5	%	30
OP2255-BSD	207-08-9	Benzo(k)fluoranthene	BSD	REC	92	%	40-140
OP2255-BSD	207-08-9	Benzo(k)fluoranthene	BSD	RPD	7	%	30
OP2255-BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	REC	94	%	40-140
OP2255-BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	RPD	5	%	30
OP2255-BSD	85-68-7	Butyl benzyl phthalate	BSD	REC	94	%	40-140
OP2255-BSD	85-68-7	Butyl benzyl phthalate	BSD	RPD	5	%	30
OP2255-BSD	91-58-7	2-Chloronaphthalene	BSD	REC	91	%	40-140
OP2255-BSD	91-58-7	2-Chloronaphthalene	BSD	RPD	4	%	30
OP2255-BSD	106-47-8	4-Chloroaniline	BSD	REC	46	%	40-140
OP2255-BSD	106-47-8	4-Chloroaniline	BSD	RPD	0	%	30
OP2255-BSD	218-01-9	Chrysene	BSD	REC	86	%	40-140
OP2255-BSD	218-01-9	Chrysene	BSD	RPD	5	%	30
OP2255-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	REC	78	%	40-140
OP2255-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	RPD	2	%	30
OP2255-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	REC	85	%	40-140
OP2255-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	RPD	1	%	30
OP2255-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	REC	82	%	40-140
OP2255-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	RPD	4	%	30
OP2255-BSD	7005-72-3	4-Chlorophenyl phenyl ether	BSD	REC	91	%	40-140
OP2255-BSD	7005-72-3	4-Chlorophenyl phenyl ether	BSD	RPD	4	%	30
OP2255-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	85	%	40-140
OP2255-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	3	%	30
OP2255-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	REC	89	%	40-140
OP2255-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	RPD	5	%	30
OP2255-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	84	%	40-140
OP2255-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	2	%	30
OP2255-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	84	%	40-140
OP2255-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	3	%	30
OP2255-BSD	121-14-2	2,4-Dinitrotoluene	BSD	REC	94	%	40-140
OP2255-BSD	121-14-2	2,4-Dinitrotoluene	BSD	RPD	6	%	30
OP2255-BSD	606-20-2	2,6-Dinitrotoluene	BSD	REC	95	%	40-140
OP2255-BSD	606-20-2	2,6-Dinitrotoluene	BSD	RPD	3	%	30
OP2255-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	REC	69	%	40-140
OP2255-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	RPD	7	%	30
OP2255-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	REC	91	%	40-140
OP2255-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	RPD	5	%	30
OP2255-BSD	132-64-9	Dibenzofuran	BSD	REC	92	%	40-140
OP2255-BSD	132-64-9	Dibenzofuran	BSD	RPD	1	%	30
OP2255-BSD	84-74-2	Di-n-butyl phthalate	BSD	REC	91	%	40-140
OP2255-BSD	84-74-2	Di-n-butyl phthalate	BSD	RPD	6	%	30

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP2255-BSD	117-84-0	Di-n octyl phthalate	BSD	REC	91	%	40-140
OP2255-BSD	117-84-0	Di-n-octyl phthalate	BSD	RPD	5	%	30
OP2255-BSD	84-66-2	Diethyl phthalate	BSD	REC	88	%	40-140
OP2255-BSD	84-66-2	Diethyl phthalate	BSD	RPD	5	%	30
OP2255-BSD	131-11-3	Dimethyl phthalate	BSD	REC	88	%	40-140
OP2255-BSD	131-11-3	Dimethyl phthalate	BSD	RPD	5	%	30
OP2255-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	REC	92	%	40-140
OP2255-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	RPD	6	%	30
OP2255-BSD	206-44-0	Fluoranthene	BSD	REC	88	%	40-140
OP2255-BSD	206-44-0	Fluoranthene	BSD	RPD	7	%	30
OP2255-BSD	86-73-7	Fluorene	BSD	REC	88	%	40-140
OP2255-BSD	86-73-7	Fluorene	BSD	RPD	4	%	30
OP2255-BSD	118-74-1	Hexachlorobenzene	BSD	REC	94	%	40-140
OP2255-BSD	118-74-1	Hexachlorobenzene	BSD	RPD	5	%	30
OP2255-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	84	%	40-140
OP2255-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	4	%	30
OP2255-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	REC	97	%	40-140
OP2255-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	RPD	1	%	30
OP2255-BSD	67-72-1	Hexachloroethane	BSD	REC	87	%	40-140
OP2255-BSD	67-72-1	Hexachloroethane	BSD	RPD	4	%	30
OP2255-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	REC	82	%	40-140
OP2255-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	RPD	5	%	30
OP2255-BSD	78-59-1	Isophorone	BSD	REC	77	%	40-140
OP2255-BSD	78-59-1	Isophorone	BSD	RPD	1	%	30
OP2255-BSD	91-57-6	2-Methylnaphthalene	BSD	REC	79	%	40-140
OP2255-BSD	91-57-6	2-Methylnaphthalene	BSD	RPD	0	%	30
OP2255-BSD	91-20-3	Naphthalene	BSD	REC	73	%	40-140
OP2255-BSD	91-20-3	Naphthalene	BSD	RPD	2	%	30
OP2255-BSD	98-95-3	Nitrobenzene	BSD	REC	73	%	40-140
OP2255-BSD	98-95-3	Nitrobenzene	BSD	RPD	2	%	30
OP2255-BSD	62-75-9	n-Nitrosodimethylamine	BSD	REC	67	%	40-140
OP2255-BSD	62-75-9	n-Nitrosodimethylamine	BSD	RPD	4	%	30
OP2255-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	REC	80	%	40-140
OP2255-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	RPD	1	%	30
OP2255-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	REC	92	%	40-140
OP2255-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	RPD	7	%	30
OP2255-BSD	85-01-8	Phenanthrene	BSD	REC	86	%	40-140
OP2255-BSD	85-01-8	Phenanthrene	BSD	RPD	5	%	30
OP2255-BSD	129-00-0	Pyrene	BSD	REC	90	%	40-140
OP2255-BSD	129-00-0	Pyrene	BSD	RPD	5	%	30
OP2255-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	80	%	40-140
OP2255-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	4	%	30
OP2255-BSD	367-12-4	2-Fluorophenol	BSD	SURR	87	%	30-130
OP2255-BSD	4165-62-2	Phenol-d5	BSD	SURR	87	%	30-130
OP2255-BSD	118-79-6	2,4,6-Tribromophenol	BSD	SURR	107	%	30-130

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP2255-BSD	4165-60-0	Nitrobenzene-d5	BSD	SURR	76	%	30-130
OP2255-BSD	321-60-8	2-Fluorobiphenyl	BSD	SURR	94	%	30-130
OP2255-BSD	1718-51-0	Terphenyl-d14	BSD	SURR	97	%	30-130
OP2255-MB1	367-12-4	2-Fluorophenol	MB	SURR	89	%	30-130
OP2255-MB1	367-12-4	2-Fluorophenol	MB	SURR	86	%	30-130
OP2255-MB1	4165-62-2	Phenol-d5	MB	SURR	88	%	30-130
OP2255-MB1	4165-62-2	Phenol-d5	MB	SURR	87	%	30-130
OP2255-MB1	118-79-6	2,4,6-Tribromophenol	MB	SURR	95	%	30-130
OP2255-MB1	118-79-6	2,4,6-Tribromophenol	MB	SURR	102	%	30-130
OP2255-MB1	4165-60-0	Nitrobenzene-d5	MB	SURR	101	%	30-130
OP2255-MB1	4165-60-0	Nitrobenzene-d5	MB	SURR	83	%	30-130
OP2255-MB1	321-60-8	2-Fluorobiphenyl	MB	SURR	96	%	30-130
OP2255-MB1	321-60-8	2-Fluorobiphenyl	MB	SURR	93	%	30-130
OP2255-MB1	1718-51-0	Terphenyl-d14	MB	SURR	98	%	30-130
OP2255-MB1	1718-51-0	Terphenyl-d14	MB	SURR	87	%	30-130
MC50190-1	367-12-4	2-Fluorophenol	SAMP	SURR	50	%	30-130
MC50190-1	367-12-4	2-Fluorophenol	SAMP	SURR	56	%	30-130
MC50190-1	4165-62-2	Phenol-d5	SAMP	SURR	57	%	30-130
MC50190-1	4165-62-2	Phenol-d5	SAMP	SURR	48	%	30-130
MC50190-1	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	82	%	30-130
MC50190-1	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	53	%	30-130
MC50190-1	4165-60-0	Nitrobenzene-d5	SAMP	SURR	59	%	30-130
MC50190-1	4165-60-0	Nitrobenzene-d5	SAMP	SURR	46	%	30-130
MC50190-1	321-60-8	2-Fluorobiphenyl	SAMP	SURR	70	%	30-130
MC50190-1	321-60-8	2-Fluorobiphenyl	SAMP	SURR	52	%	30-130
MC50190-1	1718-51-0	Terphenyl-d14	SAMP	SURR	69	%	30-130
MC50190-1	1718-51-0	Terphenyl-d14	SAMP	SURR	53	%	30-130
MC50190-2	367-12-4	2-Fluorophenol	SAMP	SURR	57	%	30-130
MC50190-2	367-12-4	2-Fluorophenol	SAMP	SURR	51	%	30-130
MC50190-2	4165-62-2	Phenol-d5	SAMP	SURR	53	%	30-130
MC50190-2	4165-62-2	Phenol-d5	SAMP	SURR	59	%	30-130
MC50190-2	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	78	%	30-130
MC50190-2	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	61	%	30-130
MC50190-2	4165-60-0	Nitrobenzene-d5	SAMP	SURR	50	%	30-130
MC50190-2	4165-60-0	Nitrobenzene-d5	SAMP	SURR	56	%	30-130
MC50190-2	321-60-8	2-Fluorobiphenyl	SAMP	SURR	66	%	30-130
MC50190-2	321-60-8	2-Fluorobiphenyl	SAMP	SURR	56	%	30-130
MC50190-2	1718-51-0	Terphenyl-d14	SAMP	SURR	72	%	30-130
MC50190-2	1718-51-0	Terphenyl-d14	SAMP	SURR	57	%	30-130
OP2180	SW846 8151						
OP2180-BS1	94-75-7	2,4-D	BSP	REC	83	%	40-140
OP2180-BS1	93-72-1	2,4,5-TP (Silvex)	BSP	REC	93	%	40-140
OP2180-BS1	93-76-5	2,4,5-T	BSP	REC	83	%	40-140

8.3 8

* Sample used for QC is not from job MC50190

QC Evaluation: MA MCP Limits

Job Number: MC50190
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 04/19/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP2180-BS1	19719-28-9	2,4-DCAA (sig#1)	BSP	SURR	92	%	30-150
OP2180-BS1	19719-28-9	2,4-DCAA (sig#2)	BSP	SURR	98	%	30-150
OP2180-BSD	94-75-7	2,4-D	BSD	REC	90	%	40-140
OP2180-BSD	94-75-7	2,4-D	BSD	RPD	3	%	25
OP2180-BSD	93-72-1	2,4,5-TP (Silvex)	BSD	REC	96	%	40-140
OP2180-BSD	93-72-1	2,4,5-TP (Silvex)	BSD	RPD	4	%	25
OP2180-BSD	93-76-5	2,4,5-T	BSD	REC	89	%	40-140
OP2180-BSD	93-76-5	2,4,5-T	BSD	RPD	7	%	25
OP2180-BSD	19719-28-9	2,4-DCAA (sig#1)	BSD	SURR	94	%	30-150
OP2180-BSD	19719-28-9	2,4-DCAA (sig#2)	BSD	SURR	102	%	30-150
OP2180-MB1	19719-28-9	2,4-DCAA (sig#1)	MB	SURR	89	%	30-150
OP2180-MB1	19719-28-9	2,4-DCAA (sig#2)	MB	SURR	91	%	30-150
MC50190-1	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	41	%	30-150
MC50190-1	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	40	%	30-150
MC50190-2	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	96	%	30-150
MC50190-2	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	106	%	30-150

8.3 8

* Sample used for QC is not from job MC50190

GC/MS Volatiles

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-MB	V168138.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-1

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
74-83-9	Bromomethane	ND	5.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	2.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	2.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-MB	V168138.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-1

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	ug/kg	
	m,p-Xylene	ND	1.0	ug/kg	
95-47-6	o Xylene	ND	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-MB	V168138.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	70-122%
17060-07-0	1,2-Dichloroethane-D4	99%	68-124%
2037-26-5	Toluene-D8	95%	77-125%
460-00-4	4-Bromofluorobenzene	94%	72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-MB	Y171806.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-2

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
74-83-9	Bromomethane	ND	5.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	2.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	2.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-MB	Y171806.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-2

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	6.8	10	ug/kg	J
108-88-3	Toluene	ND	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	ug/kg	
	m,p-Xylene	ND	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-MB	Y171806.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	70-122%
17060-07-0	1,2-Dichloroethane-D4	97%	68-124%
2037-26-5	Toluene-D8	97%	77-125%
460-00-4	4-Bromofluorobenzene	112%	72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
Total TIC, Volatile		0		ug/kg	

9.1.2

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-BS	Y171807.D	1	04/25/17	PS	n/a	n/a	VY7434
VY7434-BSD	Y171808.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	200	215	108	184	92	16	30-150/30
71-43-2	Benzene	50	44.9	90	43.2	86	4	77-122/30
108-86-1	Bromobenzene	50	51.0	102	48.8	98	4	80-122/30
74-97-5	Bromochloromethane	50	46.7	93	44.6	89	5	81-126/30
75-27-4	Bromodichloromethane	50	45.2	90	44.3	89	2	82-130/30
75-25-2	Bromoform	50	50.8	102	48.8	98	4	78-134/30
74-83-9	Bromomethane	50	42.4	85	39.1	78	8	56-141/30
78-93-3	2-Butanone (MEK)	200	238	119	218	109	9	61-139/30
104-51-8	n-Butylbenzene	50	46.0	92	43.8	88	5	69-127/30
135-98-8	sec-Butylbenzene	50	46.1	92	43.7	87	5	70-125/30
98-06-6	tert-Butylbenzene	50	46.8	94	45.0	90	4	70-126/30
75-15-0	Carbon disulfide	50	48.7	97	44.9	90	8	68-131/30
56-23-5	Carbon tetrachloride	50	44.3	89	40.9	82	8	73-139/30
108-90-7	Chlorobenzene	50	47.4	95	46.2	92	3	79-120/30
75-00-3	Chloroethane	50	45.2	90	42.2	84	7	64-150/30
67-66-3	Chloroform	50	43.2	86	41.4	83	4	77-123/30
74-87-3	Chloromethane	50	44.1	88	39.4	79	11	50-140/30
95-49-8	o-Chlorotoluene	50	49.9	100	47.8	96	4	74-123/30
106-43-4	p-Chlorotoluene	50	48.0	96	46.6	93	3	73-121/30
108-20-3	Di-Isopropyl ether	50	48.1	96	46.5	93	3	71-130/30
96-12-8	1,2-Dibromo-3-chloropropane	50	46.5	93	44.8	90	4	70-128/30
124-48-1	Dibromochloromethane	50	47.4	95	45.3	91	5	82-129/30
106-93-4	1,2-Dibromoethane	50	48.6	97	46.8	94	4	83-125/30
95-50-1	1,2-Dichlorobenzene	50	48.1	96	46.4	93	4	79-118/30
541-73-1	1,3-Dichlorobenzene	50	48.3	97	46.9	94	3	76-119/30
106-46-7	1,4-Dichlorobenzene	50	47.7	95	46.5	93	3	75-118/30
75-71-8	Dichlorodifluoromethane	50	42.1	84	37.9	76	11	31-170/30
75-34-3	1,1-Dichloroethane	50	46.9	94	44.3	89	6	78-129/30
107-06-2	1,2-Dichloroethane	50	44.2	88	43.1	86	3	77-140/30
75-35-4	1,1-Dichloroethene	50	45.6	91	42.3	85	8	71-128/30
156-59-2	cis-1,2-Dichloroethene	50	43.8	88	42.7	85	3	73-123/30
156-60-5	trans-1,2-Dichloroethene	50	47.2	94	44.4	89	6	72-122/30
78-87-5	1,2-Dichloropropane	50	47.9	96	47.4	95	1	80-129/30
142-28-9	1,3-Dichloropropane	50	48.7	97	47.1	94	3	81-124/30
594-20-7	2,2-Dichloropropane	50	45.9	92	43.1	86	6	62-134/30
563-58-6	1,1-Dichloropropene	50	44.7	89	43.0	86	4	72-125/30

* = Outside of Control Limits.

9.2.1

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-BS	Y171807.D	1	04/25/17	PS	n/a	n/a	VY7434
VY7434-BSD	Y171808.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	49.4	99	48.5	97	2	75-124/30
10061-02-6	trans-1,3-Dichloropropene	50	46.6	93	45.6	91	2	75-129/30
123-91-1	1,4-Dioxane	1250	1150	92	1190	95	3	72-134/30
60-29-7	Ethyl Ether	50	49.5	99	47.6	95	4	77-132/30
100-41-4	Ethylbenzene	50	45.4	91	43.9	88	3	75-121/30
87-68-3	Hexachlorobutadiene	50	47.4	95	45.2	90	5	64-134/30
591-78-6	2-Hexanone	200	242	121	221	111	9	63-140/30
98-82-8	Isopropylbenzene	50	44.5	89	42.4	85	5	70-126/30
99-87-6	p-Isopropyltoluene	50	46.5	93	44.3	89	5	70-127/30
1634-04-4	Methyl Tert Butyl Ether	50	48.1	96	45.4	91	6	77-121/30
108-10-1	4-Methyl-2-pentanone(MIBK)	200	238	119	221	111	7	73-141/30
74-95-3	Methylene bromide	50	48.1	96	45.7	91	5	83-129/30
75-09-2	Methylene chloride	50	47.7	95	45.1	90	6	71-124/30
91-20-3	Naphthalene	50	48.5	97	46.1	92	5	74-126/30
103-65-1	n-Propylbenzene	50	47.8	96	45.7	91	4	71-132/30
100-42-5	Styrene	50	46.6	93	45.7	91	2	79-125/30
994-05-8	tert-Amyl Methyl Ether	50	47.5	95	45.2	90	5	76-124/30
637-92-3	tert-Butyl Ethyl Ether	50	49.0	98	47.4	95	3	74-128/30
630-20-6	1,1,1,2-Tetrachloroethane	50	43.4	87	42.3	85	3	81-124/30
79-34-5	1,1,2,2-Tetrachloroethane	50	52.5	105	49.6	99	6	72-121/30
127-18-4	Tetrachloroethene	50	45.1	90	43.7	87	3	70-135/30
109-99-9	Tetrahydrofuran	50	62.8	126	57.9	116	8	63-137/30
108-88-3	Toluene	50	44.8	90	43.4	87	3	75-123/30
87-61-6	1,2,3-Trichlorobenzene	50	49.9	100	47.9	96	4	76-128/30
120-82-1	1,2,4-Trichlorobenzene	50	48.8	98	47.2	94	3	74-129/30
71-55-6	1,1,1-Trichloroethane	50	44.0	88	41.1	82	7	75-134/30
79-00-5	1,1,2-Trichloroethane	50	48.5	97	46.9	94	3	78-130/30
79-01-6	Trichloroethene	50	47.1	94	45.4	91	4	79-127/30
75-69-4	Trichlorofluoromethane	50	47.6	95	44.2	88	7	64-141/30
96-18-4	1,2,3-Trichloropropane	50	52.3	105	49.5	99	6	77-124/30
95-63-6	1,2,4-Trimethylbenzene	50	46.6	93	45.0	90	3	75-126/30
108-67-8	1,3,5-Trimethylbenzene	50	47.0	94	45.0	90	4	72-124/30
75-01-4	Vinyl chloride	50	45.3	91	41.2	82	9	57-136/30
	m,p-Xylene	100	95.4	95	91.3	91	4	75-122/30
95-47-6	o-Xylene	50	43.8	88	42.4	85	3	76-121/30
1330-20-7	Xylene (total)	150	139	93	134	89	4	76-121/30

* = Outside of Control Limits.

9.2.1

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7434-BS	Y171807.D	1	04/25/17	PS	n/a	n/a	VY7434
VY7434-BSD	Y171808.D	1	04/25/17	PS	n/a	n/a	VY7434

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	97%	70-122%
17060-07-0	1,2-Dichloroethane-D4	94%	93%	68-124%
2037-26-5	Toluene-D8	98%	98%	77-125%
460-00-4	4-Bromofluorobenzene	107%	108%	72-130%

* = Outside of Control Limits.

9.2.1

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075 BS	V168139.D	1	04/25/17	SY	n/a	n/a	VV7075
VV7075 BSD	V168140.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67 64 1	Acetone	200	264	132	223	112	17	30-150/30
71 43 2	Benzene	50	52.7	105	49.9	100	5	77 122/30
108-86-1	Bromobenzene	50	54.6	109	51.4	103	6	80-122/30
74 97 5	Bromochloromethane	50	55.0	110	53.2	106	3	81-126/30
75-27-4	Bromodichloromethane	50	50.1	100	48.8	98	3	82-130/30
75 25 2	Bromoform	50	56.3	113	56.3	113	0	78-134/30
74-83-9	Bromomethane	50	54.1	108	49.8	100	8	56 141/30
78-93-3	2 Butanone (MEK)	200	255	128	238	119	7	61-139/30
104 51 8	n-Butylbenzene	50	52.5	105	47.5	95	10	69-127/30
135 98 8	sec Butylbenzene	50	54.6	109	50.7	101	7	70 125/30
98-06-6	tert-Butylbenzene	50	54.4	109	50.3	101	8	70 126/30
75-15-0	Carbon disulfide	50	49.3	99	45.7	91	8	68-131/30
56 23 5	Carbon tetrachloride	50	50.7	101	45.5	91	11	73 139/30
108-90-7	Chlorobenzene	50	54.9	110	51.3	103	7	79-120/30
75 00 3	Chloroethane	50	57.4	115	51.7	103	10	64 150/30
67-66-3	Chloroform	50	48.5	97	44.6	89	8	77-123/30
74-87-3	Chloromethane	50	54.1	108	51.0	102	6	50-140/30
95-49-8	o Chlorotoluene	50	56.6	113	53.3	107	6	74 123/30
106-43-4	p Chlorotoluene	50	54.7	109	51.4	103	6	73 121/30
108-20-3	Di Isopropyl ether	50	48.1	96	45.4	91	6	71-130/30
96-12-8	1,2 Dibromo 3 chloropropane	50	59.5	119	60.9	122	2	70-128/30
124-48-1	Dibromochloromethane	50	53.5	107	52.0	104	3	82-129/30
106-93-4	1,2-Dibromoethane	50	53.4	107	52.2	104	2	83-125/30
95 50 1	1,2-Dichlorobenzene	50	54.5	109	52.4	105	4	79 118/30
541-73-1	1,3-Dichlorobenzene	50	54.6	109	51.2	102	6	76-119/30
106-46-7	1,4 Dichlorobenzene	50	53.1	106	49.8	100	6	75-118/30
75 71 8	Dichlorodifluoromethane	50	50.8	102	45.0	90	12	31 170/30
75-34-3	1,1 Dichloroethane	50	53.1	106	47.9	96	10	78-129/30
107 06 2	1,2 Dichloroethane	50	49.2	98	48.3	97	2	77 140/30
75 35 4	1,1 Dichloroethene	50	54.9	110	45.9	92	18	71-128/30
156-59-2	cis 1,2 Dichloroethene	50	51.8	104	48.8	98	6	73 123/30
156 60 5	trans-1,2-Dichloroethene	50	52.3	105	47.2	94	10	72 122/30
78 87 5	1,2 Dichloropropane	50	51.7	103	49.7	99	4	80-129/30
142-28-9	1,3 Dichloropropane	50	53.5	107	51.1	102	5	81 124/30
594 20 7	2,2 Dichloropropane	50	52.1	104	47.2	94	10	62 134/30
563 58 6	1,1 Dichloropropene	50	53.8	108	48.1	96	11	72 125/30

* = Outside of Control Limits.

9.2.2

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-BS	V168139.D	1	04/25/17	SY	n/a	n/a	VV7075
VV7075-BSD	V168140.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01 5	cis 1,3 Dichloropropene	50	55.6	111	53.3	107	4	75-124/30
10061-02-6	trans 1,3 Dichloropropene	50	53.7	107	51.7	103	4	75 129/30
123 91 1	1,4-Dioxane	1250	1300	104	1270	102	2	72-134/30
60-29-7	Ethyl Ether	50	56.5	113	55.1	110	3	77 132/30
100 41 4	Ethylbenzene	50	55.4	111	50.8	102	9	75 121/30
87-68-3	Hexachlorobutadiene	50	60.2	120	57.1	114	5	64 134/30
591-78-6	2 Hexanone	200	233	117	228	114	2	63 140/30
98 82 8	Isopropylbenzene	50	54.6	109	51.0	102	7	70-126/30
99-87-6	p Isopropyltoluene	50	56.7	113	51.8	104	9	70 127/30
1634 04-4	Methyl Tert Butyl Ether	50	51.8	104	51.9	104	0	77 121/30
108-10-1	4 Methyl 2 pentanone(MIBK)	200	229	115	233	117	2	73-141/30
74-95-3	Methylene bromide	50	54.8	110	53.3	107	3	83-129/30
75-09-2	Methylene chloride	50	49.2	98	47.0	94	5	71-124/30
91-20-3	Naphthalene	50	59.0	118	59.4	119	1	74 126/30
103-65-1	n-Propylbenzene	50	56.2	112	51.1	102	10	71 132/30
100-42-5	Styrene	50	59.1	118	55.2	110	7	79 125/30
994 05-8	tert Amyl Methyl Ether	50	53.0	106	52.6	105	1	76-124/30
637-92-3	tert-Butyl Ethyl Ether	50	50.2	100	48.6	97	3	74 128/30
630-20-6	1,1,1,2-Tetrachloroethane	50	53.9	108	51.7	103	4	81 124/30
79-34-5	1,1,2,2 Tetrachloroethane	50	56.8	114	55.7	111	2	72 121/30
127 18 4	Tetrachloroethene	50	54.5	109	48.9	98	11	70 135/30
109-99-9	Tetrahydrofuran	50	48.0	96	47.0	94	2	63 137/30
108 88 3	Toluene	50	53.7	107	50.0	100	7	75 123/30
87-61-6	1,2,3-Trichlorobenzene	50	59.1	118	58.5	117	1	76-128/30
120 82 1	1,2,4-Trichlorobenzene	50	61.4	123	58.8	118	4	74 129/30
71 55 6	1,1,1 Trichloroethane	50	50.7	101	44.8	90	12	75-134/30
79-00 5	1,1,2 Trichloroethane	50	54.4	109	52.3	105	4	78 130/30
79-01-6	Trichloroethene	50	54.4	109	51.1	102	6	79-127/30
75 69 4	Trichlorofluoromethane	50	53.0	106	47.6	95	11	64 141/30
96-18 4	1,2,3-Trichloropropane	50	56.3	113	53.8	108	5	77 124/30
95 63 6	1,2,4 Trimethylbenzene	50	55.0	110	50.9	102	8	75-126/30
108 67 8	1,3,5 Trimethylbenzene	50	55.0	110	50.5	101	9	72 124/30
75-01-4	Vinyl chloride	50	55.5	111	51.0	102	8	57 136/30
	m,p Xylene	100	118	118	109	109	8	75 122/30
95-47-6	o Xylene	50	56.4	113	53.6	107	5	76 121/30
1330-20-7	Xylene (total)	150	174	116	163	109	7	76 121/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV7075-BS	V168139.D	1	04/25/17	SY	n/a	n/a	VV7075
VV7075-BSD	V168140.D	1	04/25/17	SY	n/a	n/a	VV7075

The QC reported here applies to the following samples: Method: SW846 8260C

MC50190-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	97%	70-122%
17060-07-0	1,2-Dichloroethane-D4	89%	87%	68-124%
2037-26-5	Toluene-D8	98%	99%	77-125%
460-00-4	4-Bromofluorobenzene	96%	97%	72-130%

9.2.2

9

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 351 Summer Street, Somerville, MA

Check Std: VV7075 CC7044 Injection Date: 04/25/17
Lab File ID: V168137.D Injection Time: 08:12
Instrument ID: GCMSV Method: SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	154019	7.75	306612	10.05	458342	11.02	453501	14.43	278933	17.07
Upper Limit [a]	308038	8.25	613224	10.55	916684	11.52	907002	14.93	557866	17.57
Lower Limit [b]	77010	7.25	153306	9.55	229171	10.52	226751	13.93	139467	16.57

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VV7075-MB	165305	7.75	284792	10.05	432889	11.02	428156	14.43	263683	17.07
VV7074-MB2	165305	7.75	284792	10.05	432889	11.02	428156	14.43	263683	17.07
ZZZZZZ	165305	7.75	284792	10.05	432889	11.02	428156	14.43	263683	17.07
VV7074-BS2	167152	7.76	321235	10.05	473366	11.02	455093	14.43	278243	17.07
VV7075-BS	167152	7.76	321235	10.05	473366	11.02	455093	14.43	278243	17.07
VV7075-BSD	178595	7.76	341026	10.05	487758	11.02	470018	14.43	288821	17.07
JC41058-2MS	145408	7.76	376034	10.05	544139	11.02	515682	14.43	311565	17.07
JC41058-3DUP	152732	7.75	342375	10.05	514478	11.02	490166	14.43	310005	17.07
ZZZZZZ	159315	7.75	344357	10.05	507920	11.02	488029	14.43	294958	17.07
ZZZZZZ	174821	7.75	353517	10.05	524114	11.02	503107	14.43	299937	17.07
MC50199-22	160829	7.75	341949	10.05	510872	11.02	479130	14.43	297249	17.07
MC50199-23	154942	7.75	341893	10.05	504955	11.02	486322	14.43	301273	17.07
ZZZZZZ	158976	7.76	343509	10.05	507961	11.02	486336	14.43	298831	17.07
MC50199-22DUP	158774	7.76	345929	10.05	511502	11.02	490971	14.43	292917	17.07
ZZZZZZ	158648	7.76	334371	10.05	488306	11.02	473880	14.43	283116	17.07
ZZZZZZ	152281	7.76	326786	10.05	487151	11.02	467771	14.43	287643	17.07
ZZZZZZ	133590	7.75	332153	10.05	495732	11.02	479811	14.43	294971	17.07
MC50190-1	162857	7.75	338787	10.05	500365	11.02	482138	14.43	295311	17.07
ZZZZZZ	157445	7.75	334826	10.05	502902	11.02	483458	14.43	302196	17.07
ZZZZZZ	152891	7.74	332633	10.05	494670	11.02	483207	14.43	303272	17.07
ZZZZZZ	148457	7.76	337236	10.05	499964	11.02	479762	14.43	287690	17.07
MC50199-23MS	138792	7.77	356560	10.05	532138	11.02	514766	14.43	305968	17.07

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

9

Volatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	VY7434 CC7387	Injection Date:	04/25/17
Lab File ID:	Y171805.D	Injection Time:	08:22
Instrument ID:	GCMSY	Method:	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	137991	7.05	285620	9.27	463223	10.18	394845	13.35	198424	15.66
Upper Limit [a]	275982	7.55	571240	9.77	926446	10.68	789690	13.85	396848	16.16
Lower Limit [b]	68996	6.55	142810	8.77	231612	9.68	197423	12.85	99212	15.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY7434-MB	137039	7.07	282815	9.27	454363	10.18	392622	13.35	184713	15.66
VY7434-BS	136113	7.06	290493	9.27	461501	10.18	392071	13.35	195730	15.66
VY7434-BSD	123159	7.06	300046	9.27	475359	10.18	404619	13.35	201634	15.66
MC50199 1	125739	7.06	310421	9.27	497983	10.18	418696	13.35	191602	15.66
MC50199-3	133205	7.06	310684	9.27	499128	10.18	417291	13.35	187713	15.66
MC50199-1DUP	139093	7.07	316032	9.27	508195	10.18	426410	13.35	190535	15.66
MC50199-3MS	117802	7.05	305996	9.27	498997	10.18	409505	13.35	191788	15.65
MC50190-2	133184	7.05	292182	9.27	474355	10.18	397945	13.35	170296	15.66
ZZZZZZ	135197	7.05	299867	9.27	478157	10.18	411846	13.35	192268	15.66
ZZZZZZ	143248	7.06	312945	9.27	500438	10.18	426822	13.35	193786	15.66
ZZZZZZ	136200	7.05	305111	9.27	496568	10.18	418008	13.35	192908	15.66
ZZZZZZ	149750	7.05	303909	9.27	489152	10.18	418941	13.35	194264	15.66
ZZZZZZ	128457	7.06	292330	9.27	474178	10.18	400517	13.35	181195	15.66
ZZZZZZ	140642	7.06	300341	9.27	486054	10.18	412912	13.35	189493	15.66
ZZZZZZ	142791	7.06	299656	9.27	478640	10.18	410767	13.35	190429	15.66
ZZZZZZ	142317	7.07	299030	9.27	474598	10.18	409976	13.35	191100	15.66

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

9.3.2

Volatile Surrogate Recovery Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8260C Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
MC50190-1	V168153A.D	104	93	97	94
MC50190-2	Y171818.D	101	96	99	119
VV7075-BS	V168139.D	98	89	98	96
VV7075-BSD	V168140.D	97	87	99	97
VV7075-MB	V168138.D	109	99	95	94
VY7434-BS	Y171807.D	98	94	98	107
VY7434-BSD	Y171808.D	97	93	98	108
VY7434-MB	Y171806.D	99	97	97	112

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-122%
S2 = 1,2-Dichloroethane-D4	68-124%
S3 = Toluene-D8	77-125%
S4 = 4-Bromofluorobenzene	72-130%

GC/MS Semi-volatiles

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	6P37003.D	1	04/27/17	CS	04/26/17	OP2255	E6P1706

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190 1, MC50190 2

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	670	ug/kg	
95-57-8	2-Chlorophenol	ND	67	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	ug/kg	
95-48-7	2-Methylphenol	ND	67	ug/kg	
	3&4-Methylphenol	ND	67	ug/kg	
88-75-5	2-Nitrophenol	ND	170	ug/kg	
100 02 7	4 Nitrophenol	ND	330	ug/kg	
87-86-5	Pentachlorophenol	ND	130	ug/kg	
108-95-2	Phenol	ND	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	ug/kg	
83-32-9	Acenaphthene	ND	33	ug/kg	
208-96-8	Acenaphthylene	ND	33	ug/kg	
98-86-2	Acetophenone	ND	170	ug/kg	
62-53-3	Aniline	ND	67	ug/kg	
120-12-7	Anthracene	ND	33	ug/kg	
56 55 3	Benzo(a)anthracene	ND	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191 24 2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	ug/kg	
106-47-8	4-Chloroaniline	ND	170	ug/kg	
218-01-9	Chrysene	ND	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	67	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	67	ug/kg	

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	6P37003.D	1	04/27/17	CS	04/26/17	OP2255	E6P1706

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	67	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
132-64-9	Dibenzofuran	ND	67	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	ug/kg	
84-66-2	Diethyl phthalate	ND	67	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	ug/kg	
206-44-0	Fluoranthene	ND	33	ug/kg	
86-73-7	Fluorene	ND	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	ug/kg	
67-72-1	Hexachloroethane	ND	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
78-59-1	Isophorone	ND	67	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
98-95-3	Nitrobenzene	ND	67	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	67	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	ug/kg	
85-01-8	Phenanthrene	ND	33	ug/kg	
129-00-0	Pyrene	ND	33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	89%	23-115%
4165-62-2	Phenol-d5	88%	27-114%
118-79-6	2,4,6-Tribromophenol	102%	19-152%

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	6P37003.D	1	04/27/17	CS	04/26/17	OP2255	E6P1706

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	101%	26-134%
321-60-8	2-Fluorobiphenyl	93%	39-124%
1718-51-0	Terphenyl-d14	87%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	13.90	640	ug/kg	J
	alkane	16.02	710	ug/kg	J
	Total TIC, Semi-Volatile		1350	ug/kg	J

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	3E92869.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	670	ug/kg	
95-57-8	2 Chlorophenol	ND	67	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	ug/kg	
120 83-2	2,4 Dichlorophenol	ND	170	ug/kg	
105 67 9	2,4 Dimethylphenol	ND	170	ug/kg	
51 28 5	2,4 Dinitrophenol	ND	170	ug/kg	
534 52 1	4,6 Dinitro o cresol	ND	170	ug/kg	
95 48 7	2-Methylphenol	ND	67	ug/kg	
	3&4-Methylphenol	ND	67	ug/kg	
88-75-5	2 Nitrophenol	ND	170	ug/kg	
100-02-7	4-Nitrophenol	ND	330	ug/kg	
87 86 5	Pentachlorophenol	ND	130	ug/kg	
108 95 2	Phenol	ND	67	ug/kg	
95 95 4	2,4,5 Trichlorophenol	ND	170	ug/kg	
88-06-2	2,4,6 Trichlorophenol	ND	170	ug/kg	
83 32 9	Acenaphthene	ND	33	ug/kg	
208-96-8	Acenaphthylene	ND	33	ug/kg	
98 86 2	Acetophenone	ND	170	ug/kg	
62-53-3	Aniline	ND	67	ug/kg	
120 12 7	Anthracene	ND	33	ug/kg	
56 55 3	Benzo(a)anthracene	ND	33	ug/kg	
50 32 8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191 24 2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	ug/kg	
85 68-7	Butyl benzyl phthalate	ND	67	ug/kg	
91-58-7	2 Chloronaphthalene	ND	67	ug/kg	
106 47 8	4 Chloroaniline	ND	170	ug/kg	
218-01-9	Chrysene	ND	33	ug/kg	
111 91 1	bis(2-Chloroethoxy)methane	ND	67	ug/kg	
111-44-4	bis(2 Chloroethyl)ether	ND	67	ug/kg	
108 60 1	bis(2 Chloroisopropyl)ether	ND	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	ug/kg	
95 50 1	1,2 Dichlorobenzene	ND	67	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	67	ug/kg	

10.1.2 10

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255 MB1	3E92869.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
541-73-1	1,3-Dichlorobenzene	ND	67	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	ug/kg	
121 14 2	2,4 Dinitrotoluene	ND	33	ug/kg	
606 20 2	2,6 Dinitrotoluene	ND	33	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
132-64-9	Dibenzofuran	ND	67	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	ug/kg	
84-66-2	Diethyl phthalate	ND	67	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	ug/kg	
206-44-0	Fluoranthene	ND	33	ug/kg	
86 73 7	Fluorene	ND	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	ug/kg	
67-72-1	Hexachloroethane	ND	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
78-59-1	Isophorone	ND	67	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
98-95-3	Nitrobenzene	ND	67	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	67	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	ug/kg	
85-01-8	Phenanthrene	ND	33	ug/kg	
129-00-0	Pyrene	ND	33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	86%	23-115%
4165-62-2	Phenol-d5	87%	27-114%
118-79-6	2,4,6-Tribromophenol	95%	19-152%

10.1.2 10

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-MB1	3E92869.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	83%	26-134%
321-60 8	2-Fluorobiphenyl	96%	39-124%
1718-51-0	Terphenyl-d14	98%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.04	350	ug/kg	J
	Total TIC, Semi-Volatile	0		ug/kg	

10.1.2 10

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-BS1	3E92870.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131
OP2255-BSD	3E92871.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	1670	1460	88	1470	88	1	37-139/30
95-57-8	2-Chlorophenol	1670	1290	77	1290	77	0	44-122/30
59-50-7	4-Chloro-3-methyl phenol	1670	1310	79	1320	79	1	50-123/30
120-83-2	2,4-Dichlorophenol	1670	1350	81	1370	82	1	48-122/30
105-67-9	2,4-Dimethylphenol	1670	1240	74	1280	77	3	48-124/30
51-28 5	2,4 Dinitrophenol	3330	2980	89	3020	91	1	34 146/30
534-52-1	4,6-Dinitro-o-cresol	1670	1450	87	1440	86	1	49-140/30
95-48-7	2-Methylphenol	1670	1330	80	1360	82	2	40-126/30
	3&4-Methylphenol	1670	1370	82	1400	84	2	40-127/30
88-75-5	2-Nitrophenol	1670	1330	80	1330	80	0	44-133/30
100-02-7	4-Nitrophenol	1670	1620	97	1600	96	1	35-153/30
87-86-5	Pentachlorophenol	1670	1690	101	1650	99	2	15-149/30
108-95-2	Phenol	1670	1320	79	1350	81	2	50-109/30
95-95-4	2,4,5-Trichlorophenol	1670	1550	93	1520	91	2	45-124/30
88-06-2	2,4,6-Trichlorophenol	1670	1580	95	1570	94	1	57-122/30
83-32-9	Acenaphthene	1670	1450	87	1420	85	2	53-119/30
208-96-8	Acenaphthylene	1670	1490	89	1450	87	3	41-125/30
98-86-2	Acetophenone	1670	1330	80	1350	81	1	52-112/30
62-53-3	Aniline	1670	865	52	934	56	8	10-132/30
120-12-7	Anthracene	1670	1550	93	1460	88	6	51-120/30
56-55-3	Benzo(a)anthracene	1670	1540	92	1450	87	6	54-118/30
50-32-8	Benzo(a)pyrene	1670	1600	96	1520	91	5	55-121/30
205-99-2	Benzo(b)fluoranthene	1670	1540	92	1450	87	6	57-116/30
191 24 2	Benzo(g,h,i)perylene	1670	1570	94	1500	90	5	40 124/30
207-08-9	Benzo(k)fluoranthene	1670	1640	98	1530	92	7	59-116/30
101-55-3	4-Bromophenyl phenyl ether	1670	1640	98	1560	94	5	60-122/30
85-68-7	Butyl benzyl phthalate	1670	1640	98	1560	94	5	51-134/30
91 58 7	2 Chloronaphthalene	1670	1570	94	1510	91	4	49 120/30
106-47-8	4-Chloroaniline	1670	760	46	761	46	0	10-115/30
218-01-9	Chrysene	1670	1510	91	1430	86	5	51-115/30
111-91-1	bis(2-Chloroethoxy)methane	1670	1330	80	1300	78	2	36-131/30
111-44-4	bis(2-Chloroethyl)ether	1670	1440	86	1420	85	1	41-131/30
108 60 1	bis(2 Chloroisopropyl)ether	1670	1410	85	1360	82	4	22 134/30
7005-72-3	4-Chlorophenyl phenyl ether	1670	1570	94	1510	91	4	56-118/30
95-50-1	1,2-Dichlorobenzene	1670	1460	88	1420	85	3	41-124/30
122-66-7	1,2-Diphenylhydrazine	1670	1550	93	1480	89	5	46-135/30

* = Outside of Control Limits.

10.2.1 10

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-BS1	3E92870.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131
OP2255-BSD	3E92871.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
541-73-1	1,3-Dichlorobenzene	1670	1430	86	1400	84	2	36-126/30
106-46-7	1,4-Dichlorobenzene	1670	1440	86	1400	84	3	40-124/30
121-14-2	2,4-Dinitrotoluene	1670	1650	99	1560	94	6	57-131/30
606-20-2	2,6-Dinitrotoluene	1670	1620	97	1580	95	3	57-132/30
91-94-1	3,3'-Dichlorobenzidine	3330	2460	74	2290	69	7	10-129/30
53-70-3	Dibenzo(a,h)anthracene	1670	1600	96	1520	91	5	48-121/30
132-64-9	Dibenzofuran	1670	1540	92	1530	92	1	51-119/30
84-74-2	Di-n-butyl phthalate	1670	1600	96	1510	91	6	59-125/30
117-84-0	Di-n-octyl phthalate	1670	1600	96	1520	91	5	47-147/30
84-66-2	Diethyl phthalate	1670	1550	93	1470	88	5	57-116/30
131-11-3	Dimethyl phthalate	1670	1550	93	1470	88	5	56-116/30
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1630	98	1540	92	6	53-133/30
206-44-0	Fluoranthene	1670	1580	95	1470	88	7	58-117/30
86-73-7	Fluorene	1670	1520	91	1460	88	4	56-114/30
118-74-1	Hexachlorobenzene	1670	1650	99	1570	94	5	50-128/30
87-68-3	Hexachlorobutadiene	1670	1450	87	1400	84	4	43-129/30
77-47-4	Hexachlorocyclopentadiene	3330	3240	97	3220	97	1	15-140/30
67-72-1	Hexachloroethane	1670	1510	91	1450	87	4	43-123/30
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1430	86	1360	82	5	49-124/30
78-59-1	Isophorone	1670	1290	77	1280	77	1	38-128/30
91-57-6	2-Methylnaphthalene	1670	1320	79	1320	79	0	37-124/30
91-20-3	Naphthalene	1670	1250	75	1220	73	2	44-116/30
98-95-3	Nitrobenzene	1670	1250	75	1220	73	2	36-132/30
62-75-9	n-Nitrosodimethylamine	1670	1170	70	1120	67	4	17-136/30
621-64-7	N-Nitroso-di-n-propylamine	1670	1350	81	1330	80	1	38-125/30
86-30-6	N-Nitrosodiphenylamine	1670	1640	98	1530	92	7	51-122/30
85-01-8	Phenanthrene	1670	1520	91	1440	86	5	53-119/30
129-00-0	Pyrene	1670	1580	95	1500	90	5	54-124/30
120-82-1	1,2,4-Trichlorobenzene	1670	1380	83	1330	80	4	42-122/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	86%	87%	23-115%
4165-62-2	Phenol-d5	86%	87%	27-114%
118-79-6	2,4,6-Tribromophenol	110%	107%	19-152%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2255-BS1	3E92870.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131
OP2255-BSD	3E92871.D	1	04/27/17	AN	04/26/17	OP2255	E3E4131

The QC reported here applies to the following samples: Method: SW846 8270D

MC50190-1, MC50190-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	75%	76%	26-134%
321-60-8	2-Fluorobiphenyl	93%	94%	39-124%
1718-51-0	Terphenyl-d14	100%	97%	36-134%

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	F3E4131 CC4127	Injection Date:	04/27/17
Lab File ID:	3E92864.D	Injection Time:	17:00
Instrument ID:	GCMS3E	Method:	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	175580	4.95	643108	6.10	392278	8.22	633032	10.41	667135	14.61	614428	16.73
Upper Limit [a]	351160	5.45	1286216	6.60	784556	8.72	1266064	10.91	1334270	15.11	1228856	17.23
Lower Limit [b]	87790	4.45	321554	5.60	196139	7.72	316516	9.91	333568	14.11	307214	16.23
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP2255-MB1	206965	4.95	790874	6.10	479940	8.22	774223	10.41	738302	14.61	717280	16.73
OP2255-BS1	184237	4.95	748973	6.10	392505	8.22	625300	10.41	637274	14.61	581558	16.73
OP2255 BSD	191327	4.95	781486	6.10	411793	8.22	663243	10.41	669046	14.61	609452	16.73
OP2255 BS13	185114	4.95	693797	6.10	421674	8.22	650200	10.41	642495	14.61	618970	16.73
OP2133 MB1	170084	4.95	652946	6.10	408600	8.22	676615	10.41	671723	14.61	664880	16.73
OP2133 BS14	151418	4.95	584016	6.10	362711	8.22	587900	10.41	577796	14.61	565870	16.73
OP2133-BS15	168081	4.95	638282	6.10	387972	8.22	633479	10.41	630491	14.61	623946	16.73
OP2133-MS	152636	4.95	636628	6.10	331659	8.22	536700	10.41	565437	14.61	525459	16.73
OP2133-MSD	168700	4.95	705073	6.10	364448	8.22	599940	10.41	623039	14.61	589645	16.73
JC41362 1	143825	4.95	544725	6.10	326405	8.22	552468	10.41	558825	14.61	553496	16.73
ZZZZZZ	156214	4.95	602537	6.10	379071	8.22	612769	10.41	535147	14.61	510863	16.74
ZZZZZZ	158364	4.95	606350	6.10	377366	8.22	616402	10.41	601077	14.61	591318	16.73
ZZZZZZ	223537	4.95	706052	6.10	289285	8.25	427920	10.45	380960	14.66	405749	16.81
ZZZZZZ	194454	4.96	723890	6.11	331611	8.24	497476	10.44	400888	14.65	420075	16.79
OP2255-MS	183138	4.96	753448	6.11	389899	8.24	567316	10.43	440669	14.64	413970	16.77
OP2255-MSD	170545	4.96	705134	6.11	367989	8.24	554396	10.43	462522	14.64	414469	16.78
MC50199-1	180083	4.96	683316	6.11	415631	8.23	622262	10.43	496298	14.63	418703	16.77
ZZZZZZ	191952	4.96	724117	6.11	442785	8.23	700650	10.43	606087	14.63	521675	16.77
MC50190 1	201222	4.96	730084	6.11	415612	8.24	584481	10.44	407475	14.66	363907	16.80
MC50190-2	174516	4.96	661526	6.11	402309	8.24	615070	10.44	465065	14.65	413201	16.79
ZZZZZZ	169271	4.96	650746	6.11	396037	8.24	638089	10.43	585378	14.64	475088	16.78
ZZZZZZ	164145	4.96	645743	6.11	402947	8.23	667332	10.43	626829	14.64	523913	16.77

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

10.3.1

Semivolatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	F3E4132 CC4127	Injection Date:	04/28/17
Lab File ID:	3E92893.D	Injection Time:	09:03
Instrument ID:	GCMS3E	Method:	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	224033	4.96	842649	6.10	525486	8.23	848563	10.43	818122	14.63	680406	16.76
Upper Limit [a]	448066	5.46	1685298	6.60	1050972	8.73	1697126	10.93	1636244	15.13	1360812	17.26
Lower Limit [b]	112017	4.46	421325	5.60	262743	7.73	424282	9.93	409061	14.13	340203	16.26
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP2168-MB1	224970	4.95	867336	6.10	550722	8.22	928154	10.42	924802	14.62	874667	16.76
OP2168-BS1	199157	4.95	820883	6.10	434387	8.22	705004	10.42	697039	14.62	614410	16.75
OP2168-BS13	196932	4.95	753603	6.10	469619	8.22	781489	10.42	779564	14.62	744127	16.75
OP2168-BS14	197729	4.95	762578	6.10	485269	8.22	813426	10.42	785435	14.62	752246	16.75
MC50190 1	218033	4.95	848991	6.10	546768	8.22	917865	10.42	843201	14.62	751686	16.76
MC50190-2	225038	4.95	870877	6.10	558958	8.22	922330	10.42	865884	14.62	756863	16.76
ZZZZZZ	216931	4.95	852491	6.10	542808	8.22	932935	10.42	919117	14.62	831391	16.76
JC41362-1	218307	4.95	852925	6.10	540329	8.22	925700	10.42	939659	14.62	889375	16.76
ZZZZZZ	223434	4.95	876529	6.10	559977	8.22	949004	10.42	977496	14.62	931525	16.75
ZZZZZZ	191822	4.95	741650	6.10	440177	8.22	731180	10.42	749113	14.62	716785	16.75
ZZZZZZ	188380	4.95	731059	6.10	462708	8.22	775270	10.42	786792	14.62	750763	16.75
ZZZZZZ	201325	4.95	779521	6.10	445038	8.22	771855	10.42	810250	14.62	778252	16.75
JC41448 1	213358	4.95	816671	6.10	522180	8.22	877833	10.42	880228	14.62	845739	16.75
OP2168-MS	200368	4.95	819782	6.10	427942	8.22	703950	10.42	709462	14.62	646242	16.75
OP2168-MSD	201998	4.95	831840	6.10	442897	8.22	723416	10.42	739147	14.62	689145	16.75
ZZZZZZ	209354	4.95	806981	6.10	511679	8.22	847642	10.42	843163	14.62	791878	16.75
ZZZZZZ	69949*	4.97	697091	6.13	528986	8.23	645432	10.43	691151	14.62	647948	16.75
ZZZZZZ	202034	4.95	786990	6.10	501756	8.22	838279	10.42	839163	14.62	799590	16.75
ZZZZZZ	192816	4.95	737848	6.10	467479	8.22	785203	10.42	796013	14.62	787375	16.74
ZZZZZZ	203723	4.95	779666	6.10	498397	8.22	811478	10.42	819058	14.62	782669	16.75
ZZZZZZ	212813	4.95	808940	6.10	512293	8.22	855493	10.42	882032	14.62	866454	16.75

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

10.3.2

Semivolatile Internal Standard Area Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	E6P1706 CC1686	Injection Date:	04/26/17
Lab File ID:	6P36994.D	Injection Time:	21:41
Instrument ID:	GCMS6P	Method:	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	220961	4.36	868061	5.36	484305	7.06	774345	8.74	693192	11.90	751498	13.49
Upper Limit [a]	441922	4.86	1736122	5.86	968610	7.56	1548690	9.24	1386384	12.40	1502996	13.99
Lower Limit [b]	110481	3.86	434031	4.86	242153	6.56	387173	8.24	346596	11.40	375749	12.99

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP2045A-MB1	225258	4.36	884708	5.36	491944	7.06	777141	8.73	680723	11.89	712938	13.49
OP2045A-BS1	197796	4.36	778878	5.36	421941	7.06	672246	8.73	578392	11.90	616259	13.48
OP2045A-BSD	215325	4.36	852872	5.36	458809	7.06	714660	8.73	603167	11.90	642314	13.48
OP2003A-MB1	239649	4.36	932852	5.36	511655	7.06	789272	8.73	683997	11.89	728056	13.48
OP2003A-BS1	217222	4.36	861657	5.36	464591	7.06	735435	8.73	617867	11.90	665234	13.48
OP2003A-BSD	222194	4.36	879476	5.36	487215	7.06	770215	8.73	660984	11.90	694697	13.48
OP2255-MB1	203655	4.36	797439	5.35	433698	7.05	690114	8.73	605238	11.89	620742	13.48
ZZZZZZ	172527	4.36	690555	5.35	382234	7.05	609117	8.73	535649	11.88	575639	13.48
ZZZZZZ	183196	4.36	588210	5.37	360951	7.10	439617	8.78	574382	11.90	637599	13.48
ZZZZZZ	266312	4.36	1016386	5.36	544832	7.08	796718	8.75	758800	11.89	822907	13.48
ZZZZZZ	225792	4.36	869557	5.36	471957	7.05	739254	8.73	625106	11.88	643132	13.48
ZZZZZZ	201836	4.36	793352	5.35	429541	7.05	684537	8.73	588252	11.88	595943	13.48
ZZZZZZ	201823	4.36	791761	5.35	433491	7.05	697527	8.73	619420	11.88	672817	13.48
ZZZZZZ	211666	4.36	815853	5.36	429029	7.06	650771	8.73	539289	11.90	589500	13.51
ZZZZZZ	168281	4.36	658595	5.36	352410	7.07	536220	8.74	460738	11.92	512058	13.52
ZZZZZZ	221355	4.36	856186	5.36	450096	7.07	685894	8.74	593392	11.91	634367	13.51
ZZZZZZ	196305	4.36	766810	5.36	402757	7.07	622020	8.74	542530	11.91	578809	13.51
ZZZZZZ	220778	4.36	840836	5.36	437722	7.07	651573	8.75	557030	11.92	615359	13.52
ZZZZZZ	199838	4.36	778140	5.36	422823	7.07	647611	8.74	571107	11.91	620968	13.51
ZZZZZZ	195893	4.36	764192	5.36	406082	7.07	634710	8.74	560379	11.91	610613	13.51

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8270D Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC50190-1	3E92901.D	50	48	53	46	52	53
MC50190-1	3E92887.D	56	57	82	59	70	69
MC50190-2	3E92902.D	51	53	61	50	56	57
MC50190-2	3E92888.D	57	59	78	56	66	72
OP2255-BS1	3E92870.D	86	86	110	75	93	100
OP2255-BS13	3E92872.D	76	75	97	73	81	100
OP2255-BSD	3E92871.D	87	87	107	76	94	97
OP2255-MB1	6P37003.D	89	88	102	101	93	87
OP2255-MB1	3E92869.D	86	87	95	83	96	98

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	23-115%
S2 = Phenol-d5	27-114%
S3 = 2,4,6-Tribromophenol	19-152%
S4 = Nitrobenzene-d5	26-134%
S5 = 2-Fluorobiphenyl	39-124%
S6 = Terphenyl-d14	36-134%

GC Semi-volatiles

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2180-MB1	OA125674.D	1	04/25/17	VDT	04/23/17	OP2180	GOA4296

The QC reported here applies to the following samples: Method: SW846 8151

MC50190-1, MC50190-2

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	17	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	ug/kg	
93-76-5	2,4,5-T	ND	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	91%	10-159%
19719-28-9	2,4-DCAA	89%	10-159%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2180-BS1	OA125675.D	1	04/25/17	VDT	04/23/17	OP2180	GOA4296
OP2180-BSD	OA125676.D	1	04/25/17	VDT	04/23/17	OP2180	GOA4296

The QC reported here applies to the following samples: Method: SW846 8151

MC50190-1, MC50190-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	133	110	83	120	90	3	39-153/30
93-72-1	2,4,5-TP (Silvex)	26.7	24.7	93	25.6	96	4	49-139/30
93-76-5	2,4,5-T	26.7	22.1	83	23.7	89	7	37-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
19719-28-9	2,4-DCAA	98%	102%	10-159%
19719-28-9	2,4-DCAA	92%	94%	10-159%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC50190
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8151 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC50190-1	OA125695.D	40	41
MC50190-2	OA125696.D	106	96
OP2180-BS1	OA125675.D	98	92
OP2180-BSD	OA125676.D	102	94
OP2180-MB1	OA125674.D	91	89

Surrogate Compounds	Recovery Limits
S1 = 2,4-DCAA	10-159%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

SGS ACCUTEST
New England

Section 12

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

[illegible]
Part 2 - Method Blanks

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP165
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 04/22/17

[illegible]	RL	IDL	MDL	Mb Raw	[illegible]
Mercury	0.033	.0018	.0053	0.0021	<0.033

Associated samples MP165: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP165
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 04/22/17 04/22/17

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits	LCS Result	Spikelot HGLCS54085	% Rec	QC Limits
Mercury	0.35	0.333	105.1	80-120	7.6	8.37	90.8	73-128

Associated samples MP165: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

12.1.2

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP165
Matrix Type: SOLID

Methods: SW846 7471B

Prep Date: 04/22/17

Metal	LCS Result	Spikelot HGLCS54085	% Rec	QC Limits
Mercury	7.6	8.37	101.6	73-128

Associated samples MP165: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

12.1.2

12

Part 2 - Method Blanks

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTKAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218 Methods: SW846 6010C

Prep Date: 04/25/17

Metals	RL	IDL	MDL	MB raw	Final
Arsenic	1.9	.19	.2	0.096	<1.9
Barium	19	.067	.078	0.029	<19
Beryllium	0.19	.0096	.021		
Bismuth	1.9	.38	.23		
Boron	9.6	.17	.43		
Cadmium	0.48	.048	.048	0.0096	<0.48
Calcium	480	1.5	1.8		
Chromium	0.96	.067	.11	0.096	<0.96
Copper	2.4	.13	.21		
Iron	48	.45	.76		
Lead	1.9	.23	.21	0.019	<1.9
Magnesium	480	2.7	5.7		
Manganese	1.4	.019	.035		
Nickel	3.8	.077	.073		
Zinc	4.8	.13	.21		

Associated samples MP218: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Part 2 - Method Blanks

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTKAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218 Methods: SW846 6010C

Prep Date: 04/25/17

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Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Metal	BSP Result	Spikelot MP6PK2	% Rec	QC Limits	LCS Result	Spikelot MPLCS1091	% Rec	QC Limits
Antimony	anr							
Arsenic	200	211	95.0	80-120	131	145	90.3	79-121
Barium	207	211	98.3	80-120	195	209	93.3	83-117
Beryllium	anr							
Bismuth								
Boron								
Cadmium	201	211	95.5	80-120	80.6	87.6	92.0	83-116
[illegible]								
Chromium	205	211	97.4	80-120	135	143	94.4	80-120
[illegible]								
Copper	anr							
Iron	anr							
Lead	206	211	97.8	80-120	141	146	96.6	82-118
[illegible]								
Magnesium	anr							
Manganese	anr							
Molybdenum								
[illegible]								
Palladium								
Phosphorus								
Potassium	anr							
Selenium	198	211	94.0	80-120	155	178	87.1	79-121
Silicon								
Silver	24.8	26.3	94.2	80-120	24.9	31.3	79.6	75-125
Sodium	anr							
[illegible]								
[illegible]								
Thallium	anr							
Tin								
Titanium								
Tungsten								
Vanadium	anr							

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Metal	BSP Result	Spikelot MP6PK2	% Rec	QC Limits	LCS Result	Spikelot MPLCS1091	% Rec	QC Limits
Zinc	anr							
Zirconium								

Associated samples MP218: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Methods: SW846 6010C
Matrix Type: SOLID

Prep Date: 04/25/17

		Spikelot		
		145	88.3	
		209	89.0	
	anr			
		87.6	87.9	
Chromium	130	143	90.9	80-120
Cobalt	anr			
Copper	anr			
		146	93.2	82-116

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

	JC41832-1			QC
	Original	SDL 1:5	%DIF	Limits
Arsenic	23.4	24.8	6.0	0-10
Barium	68.1	70.0	2.8	0-10
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	82.3	81.9	0.5	0-10
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	32.5	39.2	20.6 (a)	0-10
Nickel	anr			
Phosphorus				
Selenium	4.70	15.7	234.0(a)	0-10
Silver	1.60	0.00	100.0(a)	0-10
Sodium	anr			
Thallium	anr			
Vanadium	anr			

Page 1

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP218
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Metal	JC41832-1 Original	SDL 1:5	%DIF	QC Limits
Zinc	anr			

Associated samples MP218: MC50190-1, MC50190-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

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SGS ACCUTEST
New England

Section 13

General Chemistry

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

Login Number: MC50190
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	%Recov Limits
Cyanide Reactivity	GP4822/GN63030	10	0.0	mg/kg	100	7.55	7.6	.5-25%
Sulfide Reactivity	GP4821/GN63007	100	0.0	mg/kg	797	585	73.4	42-112%

Associated Samples:
Batch GP4821: MC50190-1, MC50190-2
Batch GP4822: MC50190-1, MC50190-2
(*) Outside of QC limits

SGS ACCUTEST
New England

04/21/17

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Automated Report

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC49976R

Sampling Date: 03/28/17

Report to:

EnviroTrac
2 Merchant Street Suite 2
Sharon, MA 02067
craigb@envirotrac.com; jenniferb@envirotrac.com

ATTN: Craig Blake

Total number of pages in report: 62

NELAP ACCREDITED LABORATORY TNI

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NJ (MA926) PA (6801121) LA (AI171119) ND (R-188) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

EnviroTrac, Ltd.

Job No: MC49976R

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC49976-17	R03/28/17	11:30	LMFM	03/29/17	SO	Soil	PC-5 0-5'
MC49976-25	R03/28/17	12:05	LMFM	03/29/17	SO	Soil	PC-7 0-5'
MC49976-29	R03/28/17	12:20	LMFM	03/29/17	SO	Soil	PC-8 0-5'
MC49976-45	R03/28/17	13:40	LMFM	03/29/17	SO	Soil	PC-12 0-5'
MC49976-46	R03/28/17	13:45	LMFM	03/29/17	SO	Soil	PC-12 5-10'
MC49976-48	R03/28/17	13:50	LMFM	03/29/17	SO	Soil	PC-12 0 15' COMP
MC49976-49	R03/28/17	13:55	LMFM	03/29/17	SO	Soil	PC-13 0-5'
MC49976-57	R03/28/17	14:20	LMFM	03/29/17	SO	Soil	PC-15 0-5'
MC49976-61	R03/28/17	14:30	LMFM	03/29/17	SO	Soil	PC 16A 0 5'
MC49976-62	R03/28/17	14:38	LMFM	03/29/17	SO	Soil	PC 16B 0 5'
MC49976-64	R03/28/17	14:45	LMFM	03/29/17	SO	Soil	PC 16 0 5' COMP
MC49976-70	R03/28/17	15:28	LMFM	03/29/17	SO	Soil	PC 18B 0 5'
MC49976-74	R03/28/17	15:38	LMFM	03/29/17	SO	Soil	PC 19B 0 5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC49976R

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC49976-75	R03/28/17	15:45	LMFM	03/29/17	SO	Soil	PC-19C 0-5'
MC49976-76	R03/28/17	15:45	LMFM	03/29/17	SO	Soil	PC-19 0-5' COMP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EnviroTrac, Ltd. **Job No** MC49976R

Site: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA **Report Date** 4/21/2017 9:47:44 AM

15 Sample(s) were collected on 03/28/2017 and were received at SGS Accutest New England on 03/29/2017 properly preserved, at 1.1 Deg. C and intact. These Samples received a job number of MC49976R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages

Metals By Method SW846 6010C

Matrix: LEACHATE **Batch ID:** MP34

- Analysis performed at SGS Accutest, Dayton, NJ

SGS Accutest New Hampshire certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC49976R)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England **Job No** MC49976R

Site: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somer **Report Date** 4/20/2017 10:27:19 A

On 03/30/2017, 15 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC49976R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

Metals By Method SW846 6010C

Matrix: LEACHATE **Batch ID:** MP34

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-17RSDL were used as the QC samples for metals

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC49976R
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-17R	PC-5 0-5'					
No hits reported in this sample.						
MC49976-25R	PC-7 0-5'					
No hits reported in this sample.						
MC49976-29R	PC-8 0-5'					
No hits reported in this sample.						
MC49976-45R	PC-12 0-5'					
No hits reported in this sample.						
MC49976-46R	PC-12 5-10'					
Lead [a]		0.84	0.50		mg/l	SW846 6010C
MC49976-48R	PC-12 0-15' COMP					
No hits reported in this sample.						
MC49976-49R	PC-13 0-5'					
No hits reported in this sample.						
MC49976-57R	PC-15 0-5'					
No hits reported in this sample.						
MC49976-61R	PC-16A 0-5'					
No hits reported in this sample.						
MC49976-62R	PC-16B 0-5'					
Lead [a]		1.1	0.50		mg/l	SW846 6010C
MC49976-64R	PC-16 0-5' COMP					
Lead [a]		0.51	0.50		mg/l	SW846 6010C

Summary of Hits

Job Number: MC49976R
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-70R	PC-18B 0-5'					
No hits reported in this sample.						
MC49976-74R	PC-19B 0-5'					
No hits reported in this sample.						
MC49976-75R	PC-19C 0-5'					
Lead [a]		0.72	0.50		mg/l	SW846 6010C
MC49976-76R	PC-19 0-5' COMP					
No hits reported in this sample.						

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PC 5 0 5'		
Lab Sample ID:	MC49976 17R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC-7 0-5'		
Lab Sample ID:	MC49976-25R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.2

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC-8 0-5'		
Lab Sample ID:	MC49976-29R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	76.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.3

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC 12 0 5'		
Lab Sample ID:	MC49976-45R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC 12 5 10'		
Lab Sample ID:	MC49976-46R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.5

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.84	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976 48R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC 13 0 5'		
Lab Sample ID:	MC49976 49R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

SGS Accutest

Report of Analysis

Client Sample ID:	PC 15 0 5		
Lab Sample ID:	MC49976 57R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

SGS Accutest

Report of Analysis

Client Sample ID:	PC 16A 0 5'		
Lab Sample ID:	MC49976 61R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.9

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC-16B 0-5'		
Lab Sample ID:	MC49976-62R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.10

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead [a]	1.1	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17 ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC-16 0-5' COMP		
Lab Sample ID:	MC49976-64R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.11

4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead [a]	0.51	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17 ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

SGS Accutest

Report of Analysis

Client Sample ID:	PC-18B 0-5'		
Lab Sample ID:	MC49976 70R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.12
4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

SGS Accutest

Report of Analysis

Client Sample ID:	PC 19B 0 5'		
Lab Sample ID:	MC49976 74R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.13
4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC-19C 0-5'		
Lab Sample ID:	MC49976-75R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	0.72	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP		
Lab Sample ID:	MC49976-76R	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	<0.50	D008	5.0	0.50	mg/l	5	04/18/17	04/19/17	ANJ	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA41829
(2) Prep QC Batch: N:MP34

(a) Analysis performed at SGS Accutest, Dayton, NJ.

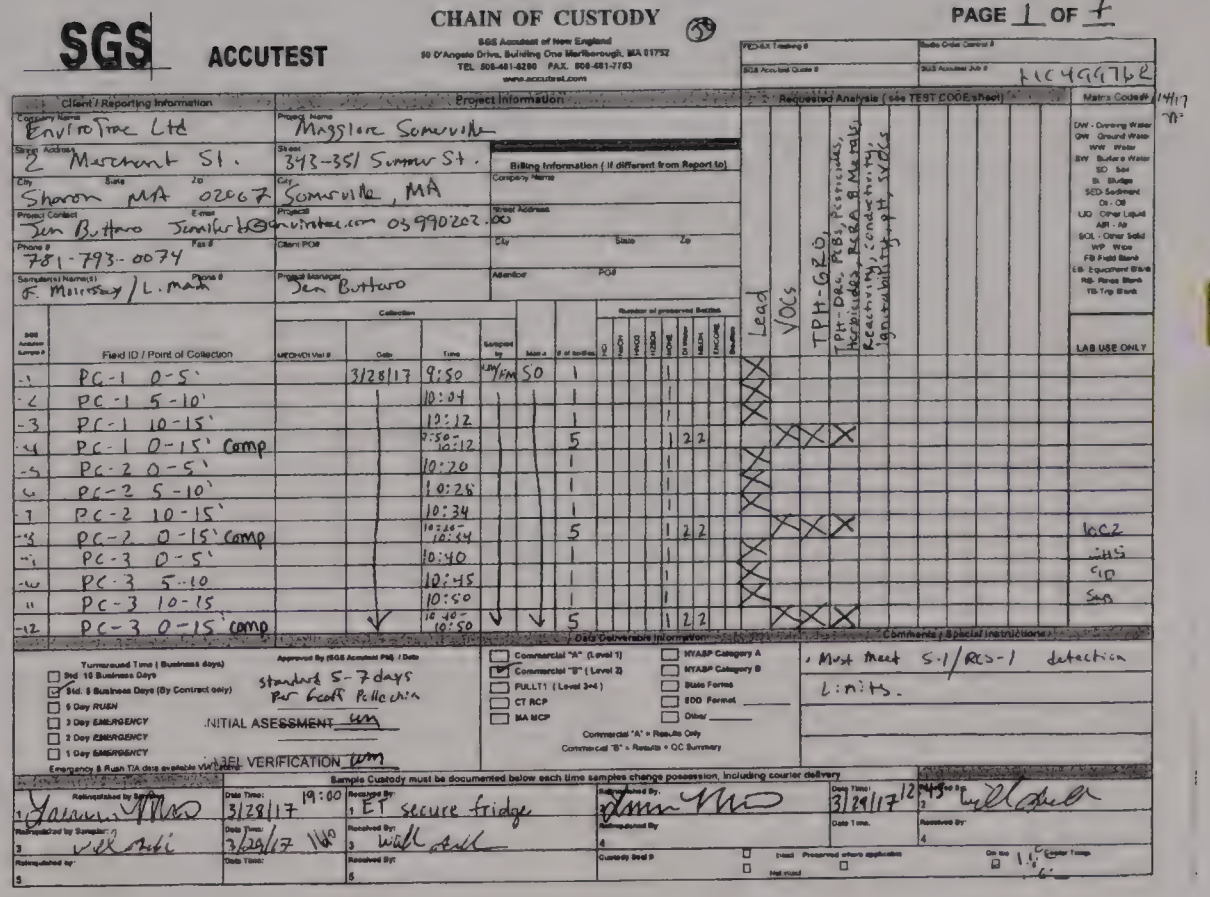
RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
90 D'Angelo Drive, Building One Marlborough, MA 01752
TEL 508-481-6200 FAX 508-481-7753
www.accutest.com

PAGE 1 OF 7

MC49976R

Client / Reporting Information: Company Name: EnviroTrac Ltd; Street Address: 2 Merchant St.; City: Sharon; State: MA; Zip: 02067; Project Contact: Jen Buttaro; Email: Jennifer@envirotrac.com; Phone #: 781-793-0074; Fax #: ; Sampler(s) Name(s): E. Morrissey / L. Main; Phone #:

Project Information: Project Name: Maggiore Somerville; Street: 343-351 Summer St.; City: Somerville, MA; Project #: 03990202.00; Client PO#: ; Project Manager: Jen Buttaro

Billing Information (if different from Report to): Company Name: ; Street Address: ; City: ; State: ; Zip: ; Attention: ; PO#:

Requested Analysis (see TEST CODE sheet): Lead; VOCs; TPH-GRO; TPH-DRO, PIBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; B - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection: Date	Time	Sampled by	Matrix	# of bottles	Preservation: HCl	MeOH	HNO3	H2SO4	NaOH	ZnAc	NaOH/ZnAc	Na2S2O3	LAB USE ONLY
-1	PC-1 0-5'		3/28/17	9:50	LM/EM	SO	1					1				
-2	PC-1 5-10'			10:04			1					1				
-3	PC-1 10-15'			10:12			1					1				
-4	PC-1 0-15' Comp			9:50-10:12			5					1	2	2		
-5	PC-2 0-5'			10:20			1					1				
-6	PC-2 5-10'			10:26			1					1				
-7	PC-2 10-15'			10:34			1					1				
-8	PC-2 0-15' Comp			10:20-10:34			5					1	2	2		
-9	PC-3 0-5'			10:40			1					1				
-10	PC-3 5-10			10:45			1					1				
11	PC-3 10-15			10:50			1					1				
-12	PC-3 0-15' Comp			10:40-10:50			5					1	2	2		

Turnaround Time (Business days): Std. 10 Business Days; Std. 5 Business Days (By Contract only); 6 Day RUSH; 3 Day EMERGENCY; 2 Day EMERGENCY; 1 Day EMERGENCY; Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: standard 5-7 days per Geoff Pelletier

INITIAL ASESSMENT: LM

FINAL VERIFICATION: LM

Data Deliverable Information: Commercial "A" (Level 1); Commercial "B" (Level 2); FULLT1 (Level 3+4); CT RCP; MA MCP; NYASP Category A; NYASP Category B; State Forms; EDD Format; Other

Commercial "A" = Results Only; Commercial "B" = Results + QC Summary

Comments / Special Instructions: Must meet S-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler	Date Time:	Received By:	Relinquished By	Date Time:	Received By:
1 Yasmin Mir	3/28/17 19:00	1 ET secure fridge	1	3/29/17 12:45	1
2	3/29/17 1100	2 Will Sack	2		2
3		3	3		3
4		4	4		4
5		5	Custody Seal #	Preserved where applicable / Not intact	On Ice: Cooler Temp: 1.5 / 6

SGS ACCUTEST

CHAIN OF CUSTODY

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TEL. 508-481-6200 FAX. 508-481-7753
www.accutest.com

PAGE 2 OF 7

FED-EX Tracking #

Bottle Order Control #

SGS Accutest Quote #

SGS Accutest Job # MC49976R

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Butturo E-mail: Jenbutturo@envirotrac.com
Phone #: (781) 793-0074 Fax #: 03 9902020.00
Sampler(s) Name(s): F. Mottesay / L. Main Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Client PO#:
Project Manager: Jen Butturo
Attention: PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl, H2SO4, HNO3, NaOH, ZnAc/NaOH, NaHSO4, DI Water, MeOH, EnCore, Sodium Bisulfate	Lead	VOCs	TPH-GRO, TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, conductivity, Ignitability, pH, Sulfide
13	PC-4 0-5'		3/28/17	11:00	LM/FM	SO	1	1	X		
14	PC-4 5-10'			11:07			1	1			
15	PC-4 10-15'			11:14			1	1			
16	PC-4 0-15' comp			11:00-11:14			5	1 2 2	X	X	X
17	PC-5 0-5'			11:30			1	1	X		
18	PC-5 5-10'			11:38			1	1	X		
19	PC-5 10-15'			11:45			1	1	X		
20	PC-5 0-15' comp			11:30-11:45			5	1 2 2	X	X	X
21	PC-6 0-5'			11:50			1	1	X		
22	PC-6 5-10'			11:55			1	1	X		
23	PC-6 10-15'			12:00			1	1	X		
24	PC-6 0-15' comp			11:50-12:00			5	1 2 2	X	X	X

Turnaround Time (Business days)
- Std. 10 Business Days
- Std. 5 Business Days (By Contract only)
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Labtrack

Approved By (SGS Accutest PM): / Date: Standard 5-7 days per Geoff Pultenia

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must Meet S-1/RCS-1 detection limits

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1	[signature]	3/28/17 19:00	1 FT secure fridge	[signature] 3/29/17	12:45	2 [signature]
3	[signature]	3/29/17 1130	3 [signature]			4
5			5	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp. 1.6° 1.7°

SGS ACCUTEST

CHAIN OF CUSTODY

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PAGE 3 OF 7

FED-EX Tracking #

Bottle Order Control #

SGS Accutest Quote #

SGS Accutest Job # MC49976L2

Client / Reporting Information

Company Name: EnviroTrac Ltd.
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Butturo E-mail: Jenbutturo@envirotrac.com 03.9902020.00
Phone #: (781) 793-0074 Fax #:
Sampler(s) Name(s): F. Mottesay / L. Main Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Client PO#:
Project Manager: Jen Butturo
Attention: PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl, H2SO4, HNO3, NaOH, ZnAc/NaOH, NaHSO4, DI Water, MeOH, EnCore, Sodium Bisulfate	Lead	VOCs	TPH-GRO, TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, conductivity, Ignitability, pH, Sulfide
25	PC-7 0-5'		3/28/17	12:05	LM/FM	SO	1	1	X		
26	PC-7 5-10'			12:10			1	1			
27	PC-7 10-15'			12:15			1	1			
28	PC-7 0-15' comp			12:05-12:15			5	1 2 2	X	X	X
29	PC-8 0-5'			12:20			1	1	X		
30	PC-8 5-10'			12:28			1	1	X		
31	PC-8 10-15'			12:35			1	1	X		
32	PC-8 0-15' comp			12:20-12:35			5	1 2 2	X	X	X
33	PC-9 0-5'			12:40			1	1	X		
34	PC-9 5-10'			12:45			1	1	X		
35	PC-9 10-15'			12:50			1	1	X		
36	PC-9 0-15' comp			12:40-12:50			5	1 2 2	X	X	X

Turnaround Time (Business days)
- Std. 10 Business Days
- Std. 5 Business Days (By Contract only)
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Labtrack

Approved By (SGS Accutest PM): / Date: Standard 5-7 days per Geoff Pultenia

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must Meet S-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1	[signature]	3/28/17 19:00	1 FT secure fridge	[signature] 12:45	3/29/17	2 [signature]
3	[signature]	3/29/17 1130	3 [signature]			4
5			5	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp. 1.6° 1.7°

SGS ACCUTEST — **CHAIN OF CUSTODY** — PAGE 4 OF 7

SGS Accutest of New England
60 D Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

FEDEX Tracking # | Bottle Order Control #
SGS Accutest Quote # | SGS Accutest Job # MC49976R

Client / Reporting Information
Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttaro E-mail: jenbuttaro@gmail.com
Phone #: (781) 793 0074 Fax #:
Sampler(s) Name(s): F Morrissey / L. Main

Project Information
Project Name: Maggiore Somerville
Street: 343 351 Summer St.
City: Somerville, MA
Project #: E-mail: 03.990202.00
Client PO #:
Project Manager: Jen Buttaro

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention: PO #:

Requested Analysis (see TEST CODE sheet)
Lead; VOCs; TPH-GRO; TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs

Matrix Codes
DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Date	Time	Sampled by	Matrix	# of bottles	Preservation: HCl	HNO3	H2SO4	NaOH	ZnAc	NaOH/ZnAc	Other	Lead	VOCs	TPH-GRO	TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs
31	PC-10 0-5'		3/28/17	13:55	FM/EM	SO	1								X			
39	PC-10 5-10'			13:05			1									X		
39	PC-10 10-15'			13:14			1									X		
42	PC-10 0-15' comp			12:55-13:14			5			1	2	2			X	X	X	
41	PC-11 0-5'			13:20			1								X			
42	PC-11 5-10'			13:25			1									X		
43	PC-11 10-15'			13:33			1									X		
44	PC-11 0-15' comp			13:18-13:38			5			1	2	2			X	X	X	
45	PC-12 0-5'			13:40			1								X			
46	PC-12 5-10'			13:45			1									X		
47	PC-12 10-15'			13:50			1									X		
48	PC-12 0-15' comp			13:30-13:50			5			1	2	2			X	X	X	

Turnaround Time (Business days)
- Std. 10 Business Days
- Std. 5 Business Days (By Contract only) — Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pellechia
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Labnet

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions
- Must Meet 5-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 ET secure fridge		3/29/17 12:45	2
2		3/29/17 1130	2			3
3			3	4		4
4			4			5
5			5			6

Custody Seal # | Intact / Not Intact | Preserved where applicable | On Ice | Cooler Temp: 1.6°, 1.4°

SGS ACCUTEST — **CHAIN OF CUSTODY** — PAGE 5 OF 7

SGS Accutest of New England
60 D Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

FEDEX Tracking # | Bottle Order Control #
SGS Accutest Quote # | SGS Accutest Job # MC49976R

Client / Reporting Information
Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttaro E-mail: jenbuttaro@gmail.com
Phone #: 781 793-0074 Fax #:
Sampler(s) Name(s): F. Morrissey / L. Main

Project Information
Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Project #: E-mail: 03.990202.00
Client PO #:
Project Manager: Jen Buttaro

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention: PO #:

Requested Analysis (see TEST CODE sheet)
Lead; VOCs; TPH-GRO; TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs

Matrix Codes
DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Date	Time	Sampled by	Matrix	# of bottles	Preservation: HCl	HNO3	H2SO4	NaOH	ZnAc	NaOH/ZnAc	Other	Lead	VOCs	TPH-GRO	TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs
49	PC-13 0-5'		3/28/17	13:55	FM/EM	SO	1								X			
50	PC-13 5-10'			14:00			1									X		
51	PC-13 10-15'			14:07			1									X		
52	PC-13 0-15' comp			13:55-14:07			5			1	2	2			X	X	X	
53	PC-14 0-5'			14:10			1								X			
54	PC-14 5-10'			14:14			1									X		
55	PC-14 10-15'			14:18			1									X		
56	PC-14 0-15' comp			14:10-14:18			5			1	2	2			X	X	X	
57	PC-15 0-5'			14:20			1								X			
58	PC-15 5-10'			14:22			1									X		
59	PC-15 10-15'			14:28			1									X		
60	PC-15 0-15' comp			14:10-14:28			5			1	2	2			X	X	X	

Turnaround Time (Business days)
- Std. 10 Business Days
- Std. 5 Business Days (By Contract only) — Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pellechia
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Labnet

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions
- Must Meet 5-1/RCS 1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 ET secure fridge		3/29/17 12:45	2
2		3/29/17 1130	2			3
3			3	4		4
4			4			5
5			5			6

Custody Seal # | Intact / Not Intact | Preserved where applicable | On Ice | Cooler Temp: 1.6°, 1.4°

SGS Accutest of New England
39 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking # | Bottle Order Control #

SGS Accutest Quote # | SGS Accutest Job # MC49976R

Client / Reporting Information

Company Name: EnviroTrac Ltd.
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttaro E-mail: jenniferb@envirotrac.com
Phone #: 781-793-0074 Fax #:
Sampler(s) Name(s): L. Main / F. Morrissey Phone #:

Project Information

Project Name: Waggiare Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Project #: 03 490202.00
Client PO#:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Lead; VOCs; TPH-GRO; TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB-Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl, H2SO4, HNO3, DI Water, NaOH, ENCORE, Sodium Bisulfate	Lead	VOCs	TPH-GRO	TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs	LAB USE ONLY
61	PC-16A 0-5'		3/28/17	14:30	LM/FM	SO	1		X	X			
62	PC-16B 0-5'			14:38			1						
63	PC-16C 0-5'			14:45			1						
64	PC-16 0-5' comp			14:30-14:45			5	1 2 2			X	X	X
65	PC-17A 0-5'			14:55			1		X	X			
66	PC-17B 0-5'			15:05			1						
67	PC-17C 0-5'			15:12			1						
68	PC-17 0-5' comp			14:55-15:00			5	1 2 2			X	X	X
69	PC-18A 0-5'			15:18			1		X	X			
70	PC-18B 0-5'			15:28			1						
71	PC-18C 0-5'			15:33			1						
72	PC-18 0-5' comp			15:18-15:33			5	1 2 2			X	X	X

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pelkunia

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must meet 5-1/RCS-1 detection limits

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 FT secure fridge	2	3/29/17 12:45	2
3		3/29/17 1140	3	4		4
5			5	Custody Seal #	Intact / Preserved where applicable / Not intact	On Ice / Cooler Temp. 1.4

SGS Accutest of New England
39 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

FED-EX Tracking # | Bottle Order Control #

SGS Accutest Quote # | SGS Accutest Job # MC49976R

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttaro E-mail: Jenniferb@envirotrac.com
Phone #: (781) 793-0074 Fax #:
Sampler(s) Name(s): F. Morrissey / L. Main Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Project #: 03 490202.00
Client PO#:
Project Manager: Jen Buttaro

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Lead; VOCs; TPH-GRO; TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB-Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl, H2SO4, HNO3, DI Water, NaOH, ENCORE, Sodium Bisulfate	Lead	VOCs	TPH-GRO	TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Conductivity, Ignitability, pH, SVOCs	LAB USE ONLY
73	PC-19A 0-5'		3/28/17	15:36	LM/FM	SO	1		X	X			
74	PC-19B 0-5'			15:38			1						
75	PC-19C 0-5'			15:45			1						
76	PC-19 0-5' comp			15:36-15:45			5	1 2 2			X	X	X

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pelkunia

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must meet 5-1/RCS-1 detection limits

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 FT secure fridge	2	3/29/17 12:45	2
3		3/29/17 1140	3	4		4
5			5	Custody Seal #	Intact / Preserved where applicable / Not intact	On Ice / Cooler Temp. 1.4

MC49976R

Soll, Robert (Marlborough)

From: Jennifer Buttaro <jenniferb@envirotrac.com>
Sent: Friday, April 14, 2017 3:25 PM
To: Soll, Robert (Marlborough)
Subject: RE: Results for MC49976

The standard 5-7 day TAT works.

From: Soll, Robert (Marlborough) [mailto:Robert.Soll@sgs.com]
Sent: Friday, April 14, 2017 3:23 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

Thank you, the numbers I wrote are the sample numbers – they all match up. I will have NJ make sure they have enough volume to run.
What kind of TAT are you looking for?

Robert Soll
Environment, Health and Safety
Project Manager

Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Friday, April 14, 2017 2:16 PM
To: Soll, Robert (Marlborough)
Subject: RE: Results for MC49976

Hi Rob,

Yes only for MC49976. It looks like there are 15 samples with Pb results greater than 100 mg/kg. The samples are identified in the attached table in red. I am not sure what the numbers highlighted below mean.

Thanks,
Jenn

From: Soll, Robert (Marlborough) [mailto:Robert.Soll@sgs.com]
Sent: Friday, April 14, 2017 1:57 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

Hi Jennifer,
Please confirm you would like TCLP PB for the following samples on MC49976 (just MC49976 right? because you said project – there are a few other sampling events on this project)
13? 99.9mg/kg of PB
17,25,29,45,46,48,49,57,61,62,64,70,74,75,76
Thx,

Robert Soll

MC49976R: Chain of Custody
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SGS ACCUTEST

Environment, Health and Safety
Project Manager

Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Friday, April 14, 2017 1:04 PM
To: Soll, Robert (Marlborough)
Subject: RE: Results for MC49976

Hi Rob,

Can you please run TCLP for all of the soil samples with lead results over 100 mg/kg for this project? I know there are quite a few.

Please confirm.

Thank you,
Jenn

From: Soll, Robert (Marlborough) [mailto:Robert.Soll@sgs.com]
Sent: Tuesday, April 11, 2017 8:44 AM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

QA is still finishing up the MCP form, should be done shortly.
Thank you,

Robert Soll
Environment, Health and Safety
Project Manager

Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Monday, April 10, 2017 4:59 PM
To: Soll, Robert (Marlborough)
Subject: RE: Results for MC49976

Ok

From: Soll, Robert (Marlborough) [mailto:Robert.Soll@sgs.com]
Sent: Monday, April 10, 2017 4:57 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: RE: Results for MC49976

Jennifer – looks like data is being reviewing, checking to see if it's still on track for COB today.
Thx,

Robert Soll

MC49976R: Chain of Custody
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SGS ACCUTEST

Environment, Health and Safety
Project Manager

Phone: +1 508 481 6200 ext 2107

From: Jennifer Buttaro [mailto:jenniferb@envirotrac.com]
Sent: Monday, April 10, 2017 2:05 PM
To: Soll, Robert (Marlborough)
Subject: RE: Results for MC49976

Is there any way for this data to be available on lab link? I just checked and it's not there, and need to be able to view in table format compared to standards

From: Soll, Robert (Marlborough) [mailto:Robert.Soll@sgs.com]
Sent: Monday, April 10, 2017 2:03 PM
To: Jennifer Buttaro <jenniferb@envirotrac.com>
Subject: Results for MC49976
Importance: High

Jennifer,
Here are results we have so far, minus Herbicides.
Thank you,

Robert Soll
Environment, Health and Safety
Project Manager

SGS Accutest
50 D'Angelo Drive
495 Technology Center West
Marlborough, MA 01752

Phone: +1 508 481 6200 ext 2107
Fax: +1 508 481 7753
Email: Robert.Soll@sgs.com

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EHSLIVE ONLINE CHAT

EHS[illegible] **ONLINE CHAT PROVIDES INSTANT CONNECTION**
SEPTEMBER 12, 2016
You can now communicate with SGS Accutest's experienced team of project managers in an instant. With access available on your desktop tablet or mobile phone, EHS[illegible] online chat service is now available on our website and online data service, LabLink[illegible].

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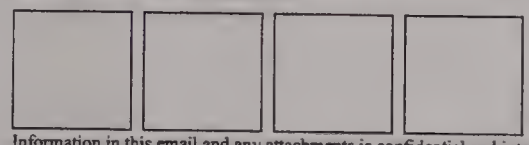
applicable SGS conditions of service available on request and accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx

Jennifer Buttaro | Project Manager | EnviroTrac Ltd. | 2 Merchant Street Suite 2, Sharon MA 02067
781.793.0074 (Office) | 781.793.7877 (Fax) | 857.891.4956 (Cell) | jenniferb@envirotrac.com

Solutions in Action - http://www.envirotrac.com



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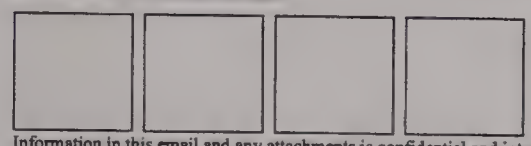

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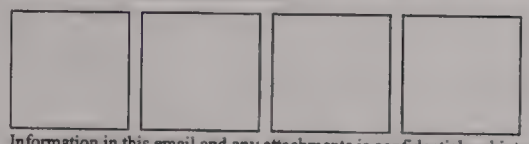

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MC49976R: Chain of Custody
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SGS ACCUTEST

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Jennifer Buttaro | Project Manager | EnviroTrac Ltd. | 2 Merchant Street Suite 2, Sharon MA 02067
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Solutions in Action - http://www.envirotrac.com

5 1

MC49976R: Chain of Custody
Page 12 of 12

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name:	SGS Accutest- Marlborough	Project #:	MC49976R
Project Location:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC49976-17R,MC49976-25R,MC49976-29R,MC49976-45R,MC49976-46R,MC49976-48R, MC49976-75R,MC49976-76R
MC49976-49R,MC49976-57R,MC49976-61R,MC49976-62R,MC49976-64R,MC49976-70R
MC49976-74R,

Matrices: Groundwater/Surface Water ( ) Soil/Sediment (X) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC ( ) CAM IIA	7470/7471 Hg ( ) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ Yes	☐ No ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No
	Responses to questions G, H, and I below is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☑ Yes	☐ No
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☑ Yes	☐ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Laboratory Director

Printed Name: H. (Brad) Madadian Date: 21-Apr-17

5 2

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name:	Accutest Mid-Atlantic	Project #:	MC49976R
Project Location #01074,	ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC49976-17R MC49976-25R MC49976-29R MC49976-45R MC49976-46R MC49976-48R MC49976-49R MC49976-57R MC49976-61R MC49976-62R MC49976-64R MC49976-70R MC49976-74R MC49

Matrices: Groundwater/Surface Water ( ) Soil/Sediment (X) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC ( ) CAM IIA	7470/7471 Hg ( ) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
E	VPH EPH APH and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ Yes	☐ No ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☑ Yes	☐ No
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☑ Yes	☐ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Nancy F. Cole Position: Laboratory Director

Printed Name: Nancy F Cole Date: 20-Apr-17

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976R

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-17	Collected: 28-MAR-17 11:30 By: LMFM Received: 29-MAR-17 By: TF					
PC-5 0-5'						
MC49976-17	SW846 6010C	19-APR-17 17:40	ANJ	18-APR-17	ANJ	EPB
MC49976-25	Collected: 28-MAR-17 12:05 By: LMFM Received: 29-MAR-17 By: TF					
PC-7 0-5'						
MC49976-25	SW846 6010C	19-APR-17 18:05	ANJ	18-APR-17	ANJ	EPB
MC49976-29	Collected: 28-MAR-17 12:20 By: LMFM Received: 29-MAR-17 By: TF					
PC-8 0-5'						
MC49976-29	SW846 6010C	19-APR-17 18:08	ANJ	18-APR-17	ANJ	EPB
MC49976-45	Collected: 28-MAR-17 13:40 By: LMFM Received: 29-MAR-17 By: TF					
PC-12 0-5'						
MC49976-45	SW846 6010C	19-APR-17 18:11	ANJ	18-APR-17	ANJ	EPB
MC49976-46	Collected: 28-MAR-17 13:45 By: LMFM Received: 29-MAR-17 By: TF					
PC-12 5-10'						
MC49976-46	SW846 6010C	19-APR-17 18:14	ANJ	18-APR-17	ANJ	EPB
MC49976-48	Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: TF					
PC-12 0-15' COMP						
MC49976-48	SW846 6010C	19-APR-17 18:17	ANJ	18-APR-17	ANJ	EPB
MC49976-49	Collected: 28-MAR-17 13:55 By: LMFM Received: 29-MAR-17 By: TF					
PC-13 0-5'						
MC49976-49	SW846 6010C	19-APR-17 18:20	ANJ	18-APR-17	ANJ	EPB
MC49976-57	Collected: 28-MAR-17 14:20 By: LMFM Received: 29-MAR-17 By: TF					
PC-15 0-5'						
MC49976-57	SW846 6010C	19-APR-17 18:24	ANJ	18-APR-17	ANJ	EPB

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976R

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-61R	Collected: 28 MAR 17 14:30 By: LMFM Received: 29-MAR-17 By: TF					
PC 16A 0 5'						
MC49976-61R	SW846 6010C	19-APR-17 18:27	ANJ	18-APR-17	ANJ	EPB
MC49976-62R	Collected: 28 MAR 17 14:38 By: LMFM Received: 29-MAR-17 By: TF					
PC 16B 0 5'						
MC49976-62R	SW846 6010C	19-APR-17 18:30	ANJ	18-APR-17	ANJ	EPB
MC49976-64R	Collected: 28 MAR 17 14:45 By: LMFM Received: 29-MAR-17 By: TF					
PC 16 0 5' COMP						
MC49976-64R	SW846 6010C	19-APR-17 18:52	ANJ	18-APR-17	ANJ	EPB
MC49976-70R	Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: TF					
PC 18B 0 5'						
MC49976-70R	SW846 6010C	19-APR-17 18:55	ANJ	18-APR-17	ANJ	EPB
MC49976-74R	Collected: 28-MAR-17 15:38 By: LMFM Received: 29-MAR-17 By: TF					
PC-19B 0-5'						
MC49976-74R	SW846 6010C	19-APR-17 18:58	ANJ	18-APR-17	ANJ	EPB
MC49976-75R	Collected: 28 MAR 17 15:45 By: LMFM Received: 29-MAR-17 By: TF					
PC 19C 0 5'						
MC49976-75R	SW846 6010C	19-APR-17 19:01	ANJ	18-APR-17	ANJ	EPB
MC49976-76R	Collected: 28 MAR 17 15:45 By: LMFM Received: 29-MAR-17 By: TF					
PC-19 0-5' COMP						
MC49976-76R	SW846 6010C	19-APR-17 19:04	ANJ	18-APR-17	ANJ	EPB

QC Evaluation: MA MCP Limits

Job Number: MC49976R
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC49976R

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SGS ACCUTEST

CHAIN OF CUSTODY

7273 7415 0630
7273 7516 0629

Page 1 of 7

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED-EX Tracking # 7273 7516 0640

Bottle Order Control #

SGS Accutest Quote #

SGS Accutest Job # MC49976

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlbourough, State: MA, Zip: 01752
Project Contact: JEREMY VIENNEAU@Accutest.com, E-mail:
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): LMFM, Phone:

Project Information

Project Name: Maggione Somerville, 343 - 351 Summer Street, Somerville, MA
Project #:
Client Purchase Order #:
Project Manager:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

#	Field ID / Point of Collection	MEOND Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Numbers of preserved Bottles: HCL	MeOH	DI H2O	NaHSO4	None	Ln Nitrate	EnCore	CHEAC HRSI STD KGN PH SCON SO4 104	PR SOL 104	LAB USE ONLY
1	PC-1 0-5'		3/28/17	9 50 00 AM	LMFM	SO	1					X				X	
2	PC-1 5-10'		3/28/17	10 04 00 AM	LMFM	SO	1					X				X	CA
3	PC-1 10-18'		3/28/17	10 12 00 AM	LMFM	SO	1					X				X	
4	PC-1 0-18' COMP		3/28/17	10 12 00 AM	LMFM	SO	1					X			X		
5	PC-2 0-5'		3/28/17	10 20 00 AM	LMFM	SO	1					X				X	
6	PC-2 5-10'		3/28/17	10 28 00 AM	LMFM	SO	1					X				X	
7	PC 2 10-15'		3/28/17	10 34 00 AM	LMFM	SO	1					X				X	
8	PC-2 0-18' COMP		3/28/17	10 34 00 AM	LMFM	SO	1					X			X		
9	PC-3 0-5'		3/28/17	10 40 00 AM	LMFM	SO	1					X				X	
10	PC-3 5-10'		3/28/17	10 45 00 AM	LMFM	SO	1					X				X	
11	PC-3 10-15'		3/28/17	10 50 00 AM	LMFM	SO	1					X				X	
12	PC-3 0-15' COMP		3/28/17	10 50 00 AM	LMFM	SO	1					X			X		

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 8 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/5/2017

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

INITIAL ASESSMENT RJ 3A

LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3-27-17	FedEx	FED EX	1330-7 1000	
2	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3						
4	Relinquished by:	Date Time:	Received By:	Custody Seal # 3113K 343 [X] Intact [ ] Not used	Preserved where applicable [ ]	On Ice [X] Cooler Temp 1.6 1.4 2.0 °C IP
5						
6						

SGS ACCUTEST — CHAIN OF CUSTODY — Page 2 of 7

90 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

SGS Accutest Quote #: | SGS Accutest Job #: MC49976

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 90 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlborough, State: MA, Zip: 0175.
Project Contact: JEREMY.VIENNEAU@Accutest.com
Phone #: 508-481-6200
Sampler(s) Name(s): LMFM

Project Information

Project Name: Meggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

Sample #	Field ID / Point of Collection	MeOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: HC	MeOH	NaHSO4	H2SO4	DI Water	NaOH	HNO3	Analysis: CREAC-1491(5'D) ICAL PH SCCN 63C104	PB SOL 104	LAB USE ONLY
13	PC-4 0-5'		3/28/17	11:00:00 AM	LMFM	SO	1							X		X	
14	PC-4 5-10'		3/28/17	11:07:00 AM	LMFM	SO	1							X		X	
15	PC-4 10-15'		3/28/17	11:14:00 AM	LMFM	SO	1							X		X	
16	PC-4 0-15' COMP		3/28/17	11:14:00 AM	LMFM	SO	1							X	X		
17	PC-8 0-5'		3/28/17	11:30:00 AM	LMFM	SO	1							X		X	
18	PC-8 5-10'		3/28/17	11:38:00 AM	LMFM	SO	1							X		X	
19	PC-8 10-15'		3/28/17	11:45:00 AM	LMFM	SO	1							X		X	
20	PC-8 0-15' COMP		3/28/17	11:45:00 AM	LMFM	SO	1							X	X		
21	PC-9 0-5'		3/28/17	11:50:00 AM	LMFM	SO	1							X		X	
22	PC-9 5-10'		3/28/17	11:55:00 AM	LMFM	SO	1							X		X	
23	PC-9 10-15'		3/28/17	12:00:00 PM	LMFM	SO	1							X		X	
24	PC-9 0-15' COMP		3/28/17	12:00:00 PM	LMFM	SO	1							X	X		

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/6/2017

Emergency & Rush T/A data available VIA Labnet

Approved By (Auto Accutest PM) / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- EDD Format: _____
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ - 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3-29-17	FedEx	FEDEX	3.30-17 1006	
2						
3						
4						
5						

Custody Seal #: Intact / Not Intact — Preserved where applicable — On Ice — Cooler Temp.

SGS ACCUTEST — CHAIN OF CUSTODY — Page 3 of 7

90 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

SGS Accutest Quote #: | SGS Accutest Job #: MC49976

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 90 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlborough, State: MA, Zip: 0175.
Project Contact: JEREMY.VIENNEAU@Accutest.com
Phone #: 508-481-6200
Sampler(s) Name(s): LMFM

Project Information

Project Name: Meggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

Sample #	Field ID / Point of Collection	MeOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: HC	MeOH	NaHSO4	H2SO4	DI Water	NaOH	HNO3	Analysis: CREAC-1491(5'D) ICAL PH SCCN 63C104	PB SOL 104	LAB USE ONLY
25	PC 7 0-5'		3/28/17	12:05:00 PM	LMFM	SO	1							X		X	
26	PC-7 5-10'		3/28/17	12:10:00 PM	LMFM	SO	1							X		X	
27	PC 7 10-15'		3/28/17	12:15:00 PM	LMFM	SO	1							X		X	
28	PC-7 0-15' COMP		3/28/17	12:15:00 PM	LMFM	SO	1							X	X		
29	PC-8 0 5'		3/28/17	12:20:00 PM	LMFM	SO	1							X		X	
30	PC-8 5-10'		3/28/17	12:28:00 PM	LMFM	SO	1							X		X	
31	PC-8 10-15'		3/28/17	12:35:00 PM	LMFM	SO	1							X		X	
32	PC-8 0-15' COMP		3/28/17	12:35:00 PM	LMFM	SO	1							X	X		
33	PC-8 0-5'		3/28/17	12:40:00 PM	LMFM	SO	1							X		X	
34	PC-8 5-10'		3/28/17	12:45:00 PM	LMFM	SO	1							X		X	
35	PC-9 10-15'		3/28/17	12:50:00 PM	LMFM	SO	1							X		X	
36	PC-9 0-15' COMP		3/28/17	12:50:00 PM	LMFM	SO	1							X	X		

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/6/2017

Emergency & Rush T/A data available VIA Labnet

Approved By (Auto Accutest PM) / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- EDD Format: _____
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ - 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3-29-17	FedEx	FEDEX	3.30-17 1006	
2						
3						
4						
5						

Custody Seal #: Intact / Not Intact — Preserved where applicable — On Ice — Cooler Temp.

SGS ACCUTEST — CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One Marlborough, MA 01752
TEL 508-481-6200 FAX 508-481-7753
www.sgs.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC49978

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 80 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlborough, State: MA, Zip: 0175
Project Contact: JEREMY VIENNEAU, E-mail: JEREMY.VIENNEAU@Accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): LMFM, Phone:

Project Information

Project Name: Maggiore Somerville 343 - 351 Summer Street, Somerville, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB-Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	H2SO4	HNO3	NaOH	ZnAc	NaHSO4	DI Water	MeOH	ENCORE	CREAC, HM915(STD, ICP+, SCCN, SOL104)	PB, SOL104	LAB USE ONLY
37	PC-10 0-5		3/28/17	12:55:00 PM	LMFM	SO	1						X					X	
38	PC-10 5-10'		3/28/17	1:05:00 PM	LMFM	SO	1						X					X	
39	PC-10 10-15'		3/28/17	1:14:00 PM	LMFM	SO	1						X					X	
40	PC-10 0-15' COMP		3/28/17	1:14:00 PM	LMFM	SO	1						X				X		
41	PC-11 0-5		3/28/17	1:20:00 PM	LMFM	SO	1						X					X	
42	PC-11 5-10'		3/28/17	1:25:00 PM	LMFM	SO	1						X					X	
43	PC-11 10-15'		3/28/17	1:33:00 PM	LMFM	SO	1						X					X	
44	PC-11 0-15' COMP		3/28/17	1:33:00 PM	LMFM	SO	1						X				X		
45	PC-12 0-5		3/28/17	1:40:00 PM	LMFM	SO	1						X					X	
46	PC-12 5-10'		3/28/17	1:45:00 PM	LMFM	SO	1						X					X	
47	PC-12 10-15'		3/28/17	1:50:00 PM	LMFM	SO	1						X					X	
48	PC-12 0-15' COMP		3/28/17	1:50:00 PM	LMFM	SO	1						X				X		

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/5/2017

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced + Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ -- 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1	3-29-17	1 FedEx	2 FEDEX	3-30-17 1000	2
Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
3		3	4		4
Relinquished by	Date Time	Received By	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp.
5		5	6				

SGS ACCUTEST — CHAIN OF CUSTODY

50 D'Angelo Drive, 495 Technology Center West, Bldg One Marlborough, MA 01752
TEL 508-481-6200 FAX 508-481-7753
www.sgs.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC49978

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 80 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlborough, State: MA, Zip: 0175
Project Contact: JEREMY VIENNEAU, E-mail: JEREMY.VIENNEAU@Accutest.com
Phone #: 508-481-6200, Fax #:
Sampler(s) Name(s): LMFM, Phone:

Project Information

Project Name: Maggiore Somerville 343 - 351 Summer Street, Somerville, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB-Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	H2SO4	HNO3	NaOH	ZnAc	NaHSO4	DI Water	MeOH	ENCORE	CREAC, HM915(STD, ICP+, SCCN, SOL104)	PB, SOL104	LAB USE ONLY
49	PC-13 0-5'		3/28/17	1:55:00 PM	LMFM	SO	1						X					X	
50	PC-13 5-10'		3/28/17	2:00:00 PM	LMFM	SO	1						X					X	
51	PC-13 10-15'		3/28/17	2:07:00 PM	LMFM	SO	1						X					X	
52	PC-13 0-15' COMP		3/28/17	2:07:00 PM	LMFM	SO	1						X				X		
53	PC-14 0-5		3/28/17	2:10:00 PM	LMFM	SO	1						X					X	
54	PC-14 5-10'		3/28/17	2:14:00 PM	LMFM	SO	1						X					X	
55	PC-14 10-15'		3/28/17	2:18:00 PM	LMFM	SO	1						X					X	
56	PC-14 0-15' COMP		3/28/17	2:18:00 PM	LMFM	SO	1						X				X		
57	PC-15 0-5'		3/28/17	2:20:00 PM	LMFM	SO	1						X					X	
58	PC-15 5-10'		3/28/17	2:22:00 PM	LMFM	SO	1						X					X	
59	PC-15 10-15'		3/28/17	2:28:00 PM	LMFM	SO	1						X					X	
60	PC-15 0-15' COMP		3/28/17	2:28:00 PM	LMFM	SO	1						X				X		

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/5/2017

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced + Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ -- 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	3-29-17	1 FEDEX	2 FEDEX	3-30-17 1800	2
Relinquished by Sampler	Date Time:	Received By:	Relinquished By	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp.
5		5	6				

CHAIN OF CUSTODY

SGS ACCUTEST 90 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752 TEL: 508 481 6200 FAX: 508 481 7753

Client / Reporting Information

Company Name: SGS Accutest

Street Address: 90 D'Angelo Drive, 495 Technology Center West, BLDG One

City: Marlbourough State: MA Zip: 0175

Project Contact: JEREMY VIENNEAU@Accutest.com E-mail:

Phone #: 508-481-6200 Fax #:

Sampler(s) Name(s): LMFM Phone #:

Project Information

Project Name: Maggiore Somerville 343 - 351 Summer Street Somerville MA

Street:

City: State:

Project #:

Project Purchase Order #:

Project Manager:

Attention:

Billing Information (if different from Report to)

Company Name:

Street Address:

City: State: Zip:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Numbers of preserved Bottles: UNPRES	H2SO4	HNO3	HCL	NaOH	Na2S2O3	ZnAc/NaOH	NaHSO4	CPREAC - HB1515TD - KIN	SPREAC - HB1515	PR - ROX 104	LAB USE ONLY
61	PC-16A 0-6		3/28/17	2:30:00 PM	LMFM	SO	1						X					X	
62	PC-16B 0-6		3/28/17	2:36:00 PM	LMFM	SO	1						X					X	
63	PC-16C 0-6		3/28/17	2:45:00 PM	LMFM	SO	1						X					X	
64	PC-16 0-6 COMP		3/28/17	2:45:00 PM	LMFM	SO	1						X			X			
65	PC-17A 0-6		3/28/17	2:58:00 PM	LMFM	SO	1						X					X	
66	PC-17B 0-6'		3/28/17	3:05:00 PM	LMFM	SO	1						X					X	
67	PC-17C 0-6'		3/28/17	3:12:00 PM	LMFM	SO	1						X					X	
68	PC-17 0-6 COMP		3/28/17	3:12:00 PM	LMFM	SO	1						X			X			
69	PC-18A 0-6		3/28/17	3:18:00 PM	LMFM	SO	1						X					X	
70	PC-18B 0-6		3/28/17	3:28:00 PM	LMFM	SO	1						X					X	
71	PC-18C 0-6		3/28/17	3:33:00 PM	LMFM	SO	1						X					X	

Turnaround Time (Business days)

- Std. 10 Business Days
- 6 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- X other Due 4/5/2017

Emergency & Rush T/A data available VIA Labtrack

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- NJ Reduced
- Commercial "C"
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- X Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3-29-17	FEDEX	FEDEX	3.30.17	
2						
3						
4						
5						

Custody Seal # ☐ Intact ☐ Not Intact — Preserved where applicable ☐ — On Ice ☐ — Cooler Temp

CHAIN OF CUSTODY

SGS ACCUTEST 90 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752 TEL: 508-481-6200 FAX: 508-481-7753 www.sgs.com

SGS Accutest Job #: MC49976

Client / Reporting Information

Company Name: SGS Accutest

Street Address: 90 D'Angelo Drive, 495 Technology Center West, BLDG One

City: Marlbourough, State: MA Zip: 0175

Project Contact: JEREMY VIENNEAU@Accutest.com E-mail:

Phone #: 508-481-6200 Fax #:

Sampler(s) Name(s): LMFM Phone #:

Project Information

Project Name: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Street:

City: State:

Project #:

Client Purchase Order #:

Project Manager:

Attention:

Billing Information (if different from Report to)

Company Name:

Street Address:

City: State: Zip:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Numbers of preserved Bottles: UNPRES	H2SO4	HNO3	HCL	NaOH	Na2S2O3	ZnAc/NaOH	NaHSO4	CPREAC - HB1515TD - KIN	SPREAC - HB1515	PR - ROX 104	LAB USE ONLY
72	PC-18C 0-15' COMP		3/28/17	3:33:00 PM	LMFM	SO	1						X			X			
73	PC-19A 0-5'		3/28/17	3:36:00 PM	LMFM	SO	1						X					X	
74	PC-19B 0-5'		3/28/17	3:38:00 PM	LMFM	SO	1						X					X	
75	PC-19C 0-5'		3/28/17	3:45:00 PM	LMFM	SO	1						X					X	
76	PC-19 0-5' COMP		3/28/17	3:45:00 PM	LMFM	SO	1						X			X			

Turnaround Time (Business days)

- Std. 10 Business Days
- 6 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- X other Due 4/5/2017

Emergency & Rush T/A data available VIA Labtrack

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- NJ Reduced
- Commercial "C"
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- X Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3-29-17	FEDEX	FEDEX	3.30.17	
2						
3						
4						
5						

Custody Seal # ☐ Intact ☐ Not Intact — Preserved where applicable ☐ — On Ice ☐ — Cooler Temp

SGS Accutest Sample Receipt Summary

Job Number: MC4[illegible] Client: _____ Project: _____

Date / Time Received: 3/30/2017 10:00:00 AM Delivery Method: _____ Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.6); Cooler 2: (1.4); Cooler 3: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0); Cooler 2: (2.8); Cooler 3: (3.4)

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	✓	3. COC Present:	✓
2. Custody Seals Intact:	✓	4. Smpl Dates/Time OK:	✓

Cooler Temperature	Y or N
1. Temp criteria achieved:	✓
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (Bag)
4. No. Coolers:	3

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	✓	
2. Trip Blank listed on COC:	✓	
3. Samples preserved properly:	✓	
4. VOCs headspace free:		✓

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear:	☑ ☐	
2. Bottles received for unspecified tests:	☐ ☑	
3. Sufficient volume recvd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Comments

SM089-02
Rev. Date 12.1.16

Job Change Order: MC49976

Received Date: 4/14/2017
Due Date: 4/5/2017
Deliverable: MAMCP
TAT (Days): 7

Requested Date: 4/14/2017
Account Name: EnviroTrac, Ltd
Project Description: Maggiore Somerville, 343 - 351 Summer Street, S
CSR: roberts1

Change

Sample # MC49976-17,25,29,45,46,48,49,57,61,62,64,70,74,75,76

Relog for TCLP PB, per client request.

Dept
TAT: 7

Above Changes Per: Date/Time: 4/14/2017 4:36:32 PM

To Client. This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976R

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-17	Collected: 28 MAR 17 11:30 By: LMFM Received: 29-MAR-17 By: AS					
PC-5 0-5'						
MC49976-17	SW846 6010C	19-APR-17 17:40	AB	18-APR-17	CSF	EPB
MC49976-23	Collected: 28 MAR 17 12:05 By: LMFM Received: 29-MAR-17 By: AS					
PC-7 0-5'						
MC49976-23	SW846 6010C	19-APR-17 18:05	AB	18-APR-17	CSF	EPB
MC49976-29	Collected: 28-MAR-17 12:20 By: LMFM Received: 29-MAR-17 By: AS					
PC-8 0-5'						
MC49976-29	SW846 6010C	19-APR-17 18:08	AB	18-APR-17	CSF	EPB
MC49976-45	Collected: 28 MAR 17 13:40 By: LMFM Received: 29-MAR-17 By: AS					
PC-12 0-5'						
MC49976-45	SW846 6010C	19-APR-17 18:11	AB	18-APR-17	CSF	EPB
MC49976-46	Collected: 28 MAR 17 13:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-12 5-10'						
MC49976-46	SW846 6010C	19-APR-17 18:14	AB	18-APR-17	CSF	EPB
MC49976-48	Collected: 28 MAR 17 13:50 By: LMFM Received: 29-MAR-17 By: AS					
PC-12 0-15' COMP						
MC49976-48	SW846 6010C	19-APR-17 18:17	AB	18-APR-17	CSF	EPB
MC49976-49	Collected: 28 MAR 17 13:55 By: LMFM Received: 29-MAR-17 By: AS					
PC-13 0-5'						
MC49976-49	SW846 6010C	19-APR-17 18:20	AB	18-APR-17	CSF	EPB
MC49976-57	Collected: 28 MAR 17 14:20 By: LMFM Received: 29-MAR-17 By: AS					
PC-15 0-5'						
MC49976-57	SW846 6010C	19-APR-17 18:24	AB	18-APR-17	CSF	EPB

SGS Accutest

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976R

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-61	Collected: 28-MAR-17 14:30 By: LMFM Received: 29-MAR-17 By: AS					
PC-16A 0-5'						
MC49976-61	SW846 6010C	19-APR-17 18:27	AB	18-APR-17	CSF	EPB
MC49976-62	Collected: 28 MAR 17 14:38 By: LMFM Received: 29-MAR-17 By: AS					
PC-16B 0-5'						
MC49976-62	SW846 6010C	19-APR-17 18:30	AB	18-APR-17	CSF	EPB
MC49976-64	Collected: 28 MAR 17 14:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-16 0-5' COMP						
MC49976-64	SW846 6010C	19-APR-17 18:52	AB	18-APR-17	CSF	EPB
MC49976-70	Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: AS					
PC-18B 0-5'						
MC49976-70	SW846 6010C	19-APR-17 18:55	AB	18-APR-17	CSF	EPB
MC49976-74	Collected: 28-MAR-17 15:38 By: LMFM Received: 29-MAR-17 By: AS					
PC-19B 0-5'						
MC49976-74	SW846 6010C	19-APR-17 18:58	AB	18-APR-17	CSF	EPB
MC49976-75	Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-19C 0-5'						
MC49976-75	SW846 6010C	19-APR-17 19:01	AB	18-APR-17	CSF	EPB
MC49976-76	Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-19 0-5' COMP						
MC49976-76	SW846 6010C	19-APR-17 19:04	AB	18-APR-17	CSF	EPB

QC Evaluation: MA MCP Limits

Job Number: MC49976R
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC49976R

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Account: ALNE - SGS Accutest New England
Project: ENVIRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP34 Methods: SW846 6010C

	1.0	.084	.1	
Antimony	0.50	.012	.017	
	0.50	.007	.011	
	1.0	.0015	.002	
Beryllium	0.025	.01	.0015	
Bismuth		1	.015	
	0.50	.009	.02	
	0.025	.0015	.002	
	10	.17	.17	
	0.050	.0035	.004	
	0.25	.0015	.0035	
	0.050	.0015	.012	
	0.50	.021	.062	
	0.50	.008	.012	-0.00090 <0.50
Lithium				
	10	.21	.42	
	0.075	.001	.002	
Molybdenum				
	0.050	.003	.004	
	0.25	.011	.019	
	10	.41	.56	
	0.50	.021	.021	
	1.0	.012	.14	
Silver	0.050	.005	.0045	
	0.050	.0015	.001	
	0.25	.021	.035	
	0.50	.018	.0095	
Tin				
	0.050	.0035	.005	
Tungsten	0.25	.009	.016	
Vanadium	0.25	.0025	.0035	
	0.10	.021	.0065	

7.1.1

Part 2 - Method Blanks

Login Number: MC49976R
Account: ALNE - SGS Accutest New England
MA

QC Batch ID: MP34 Methods: SW846 6010C

04/19/21

Associated samples MP34: MC49976-17R, MC49976-25R, MC49976-29R, MC49976-45R, MC49976-46R, MC49976-48R, MC49976-76R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.1.1

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC49976R
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

		BSP	Spikelot			BSP	Spikelot		
		Result	MPSPK2	% Rec		Result	MPSPK2	% Rec	
	2.0	110.0	80-120	2.1	2.0	105.0	80-120		

Login Number: MC49976R
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID:
Matrix Type:

Prep Date: 04/18/17 04/18/17

	BSP	Spikelot		QC	BSP	Spikelot		QC
Metal	Result	MPSPK2	% Rec	Limits	Result	MPSPK2	% Rec	Limits
Zirconium								

Associated samples MP34: MC49976-17R, MC49976-25R, MC49976-29R, MC49976-45R, MC49976-46R, MC49976-48R, MC49976-49R, [illegible], MC49976-61R, [illegible], MC49976-70R, [illegible], MC49976-76R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC49976k
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP34 Methods: SW846 6010C

Metal	MC49976-17R Original SDL	5:25 %DIF	QC Limits
Aluminum			
Antimony			
[illegible]			
[illegible]			
Beryllium			
[illegible]			
[illegible]			
[illegible]			
[illegible]			
[illegible]			
[illegible]			
[illegible]			
Lead	142	136	3.9	0-10
[illegible]			
Magnesium			
[illegible]			
Molybdenum			
Nickel			
Palladium			
Potassium			
[illegible]			
[illegible]			
[illegible]			
Sodium			
Strontium			
[illegible]			
[illegible]			
[illegible]			
Titanium			
Tungsten			
Vanadium			
Zinc			

7.1.3

7

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC49976k
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP34 Methods: SW846 6010C

Metal	MC49976-17R Original SDL	5:25 %DIF	QC Limits
Zirconium			

Associated samples MP34: MC49976-17R, MC49976-25R, MC49976-29R, MC49976-45R, MC49976-46R, MC49976-48R, MC49976-49R, MC49976-57R, MC49976-61R, MC49976-62R, MC49976-64R, MC49976-70R, MC49976-74R, MC49976-75R, MC49976-76R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.1.3

7

Envirotrac Ltd.

MicroVision Labs Coal Ash Report, Job # 10618
Client Project#: 03.990202.01
Client Project Name: Maggiore Somerville

Scope of Work:

This report covers the methods and findings of the Coal/Coal Ash analysis that MicroVision Laboratories, Inc. conducted on six (6) soil samples submitted for testing from the Maggiore Somerville project. The purpose of this analysis was to detect and document any coal, coal ash or wood ash that may be present in the submitted soil sample by use of a combination of microscopy techniques including SEM/EDS, PLM, and macroscopic inspection.

Methods:

The samples were dried and examined by eye and under the stereomicroscope for any suspect dark components to the soil. Dark suspect particles were separated from the soil samples and prepared for examination by Polarized Light Microscopy (PLM) and Scanning Electron Microscopy with Energy Dispersive X-Ray Spectroscopy (SEM/EDS).

For the PLM examination, the suspect particle types detected in the samples were ground in a mortar and pestle, mounted on glass slides in immersion oil (n=1.515) and covered with glass cover slips. The sample particles were then examined at various magnifications and digital images were taken.

For the SEM examination, the suspect particle types were mounted on an aluminum analysis stub with double sided adhesive tape, coated with evaporated graphite and examined under the SEM by EDS to obtain elemental data in the form of EDS spectra. Digital images were taken of the sample particles at various magnifications with the SEM.

Findings:

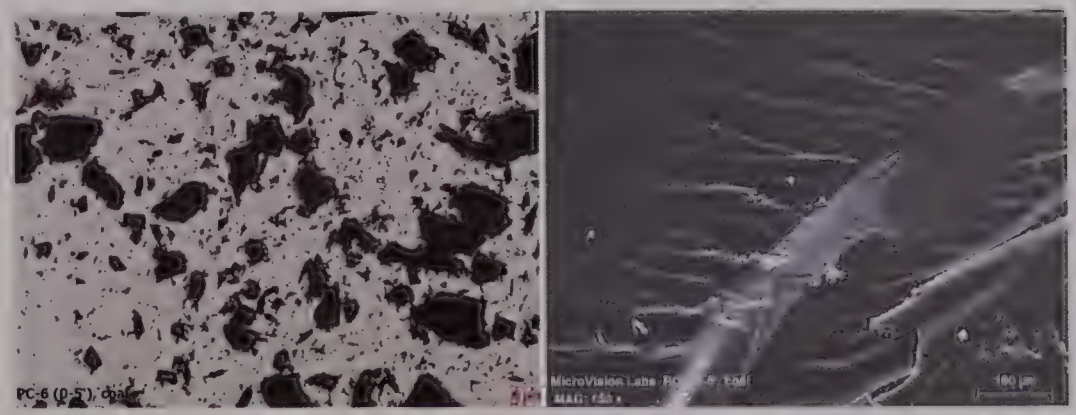
The following pages display the data for each particle type detected in the samples for this project. Each page contains a PLM image, SEM image, and EDS spectrum for the particle types detected for these samples as well as particle type descriptions and observations.

MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824
Phone: (978) 250-9909 Fax: (978) 250-9901 Email: Sales@MicroVisionLabs.com
www.MicroVisionLabs.com

Sample: PC-6 0-5'

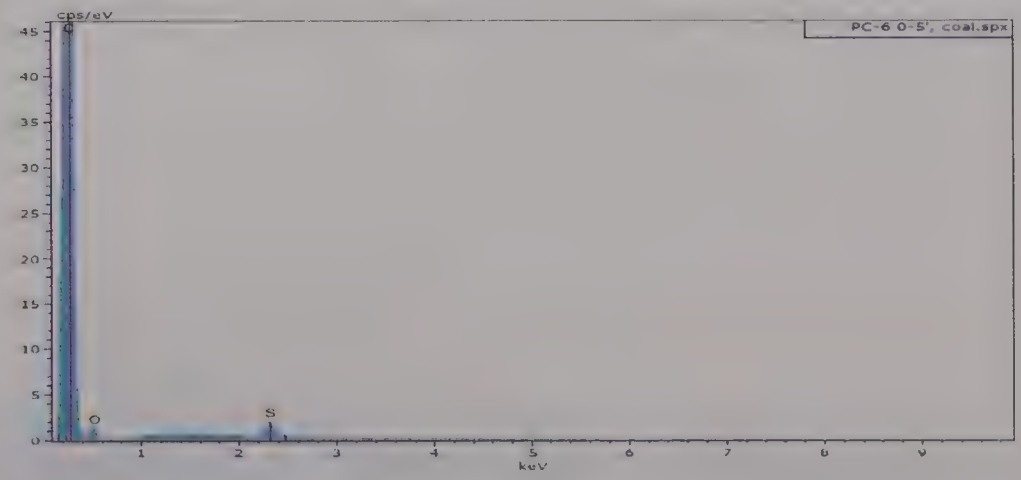
Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-35mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.



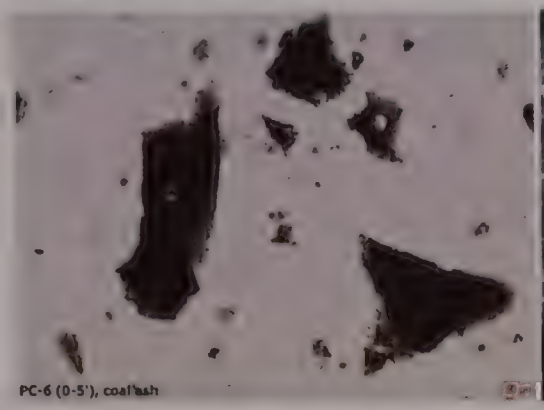
PLM Image **SEM Image**

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.

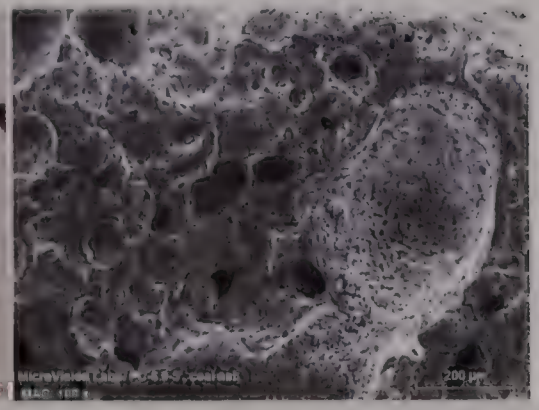


MicroVision Laboratories, Inc. 187 Billerica Road, Chelmsford, MA 01824
Phone: (978) 250-9909 Fax: (978) 250-9901 Email: Sales@MicroVisionLabs.com
www.MicroVisionLabs.com

Coal Ash: This particle type consisted of eight to ten (8-10) dark, porous grains approximately 1-8mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.

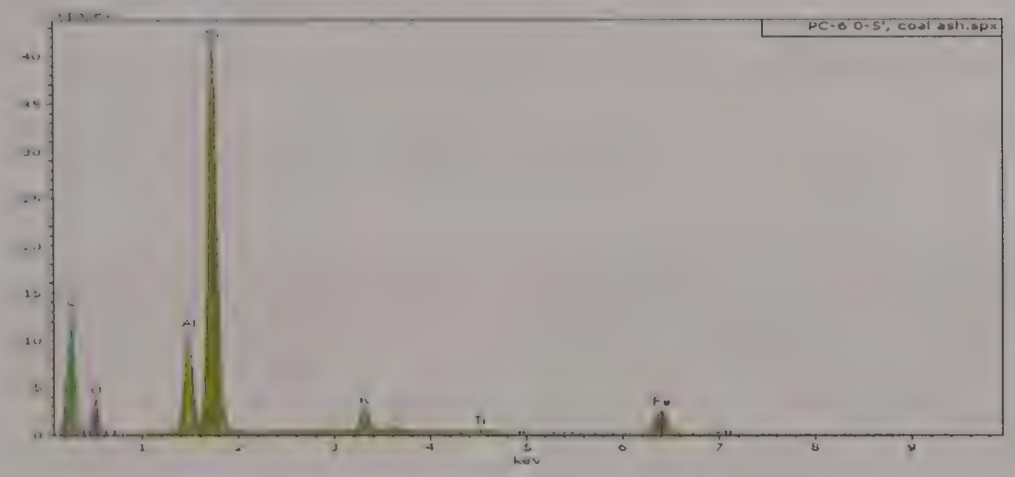


PLM Image



SEM Image

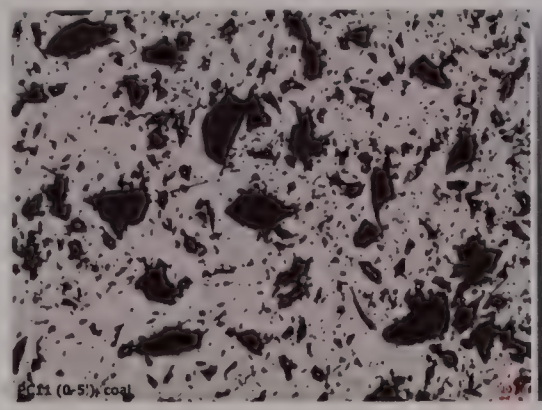
The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, aluminum, silicon, potassium, titanium and iron.



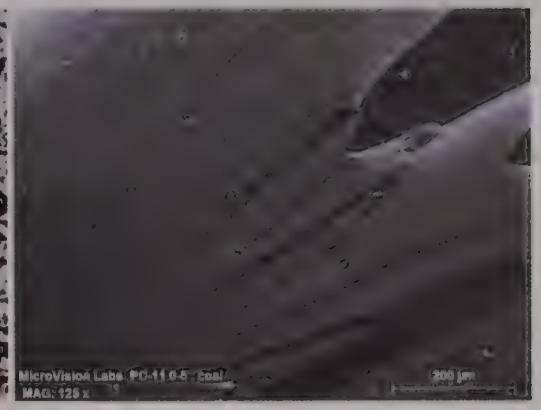
Sample: PC-11 0-5'

Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-20mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.

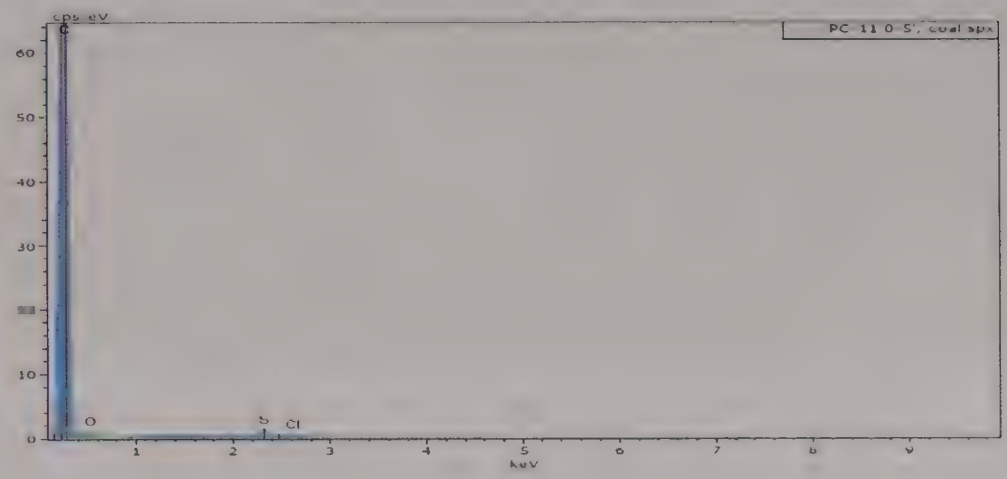


PLM Image

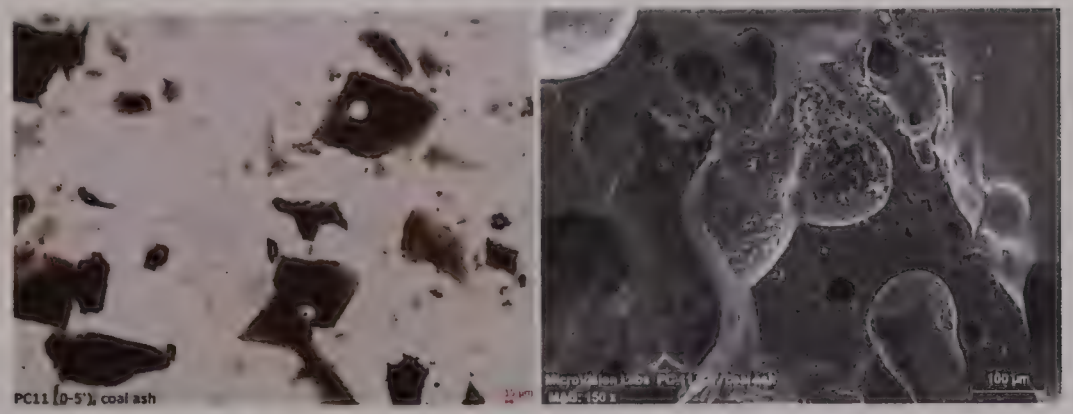


SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, sulfur and chlorine.

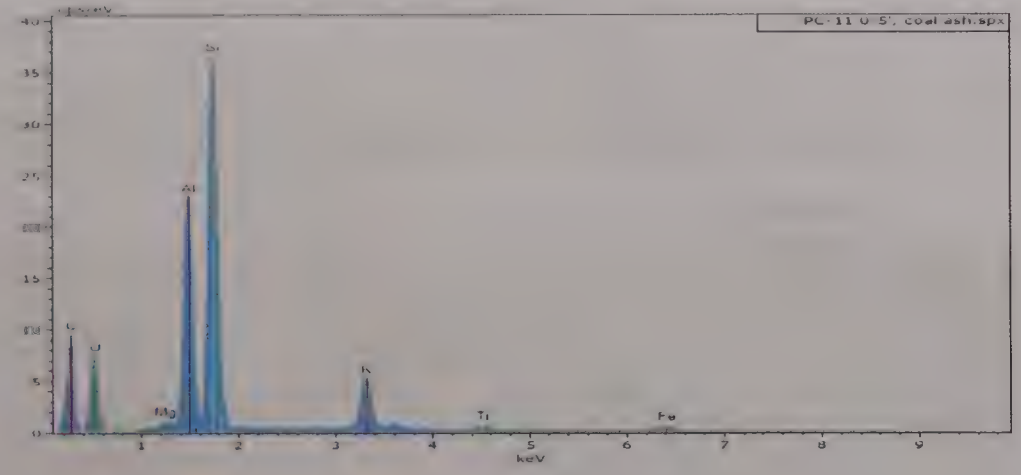


Coal Ash: This particle type consisted of twenty-five to thirty (25-30) dark, porous grains approximately 2-38mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



PLM Image **SEM Image**

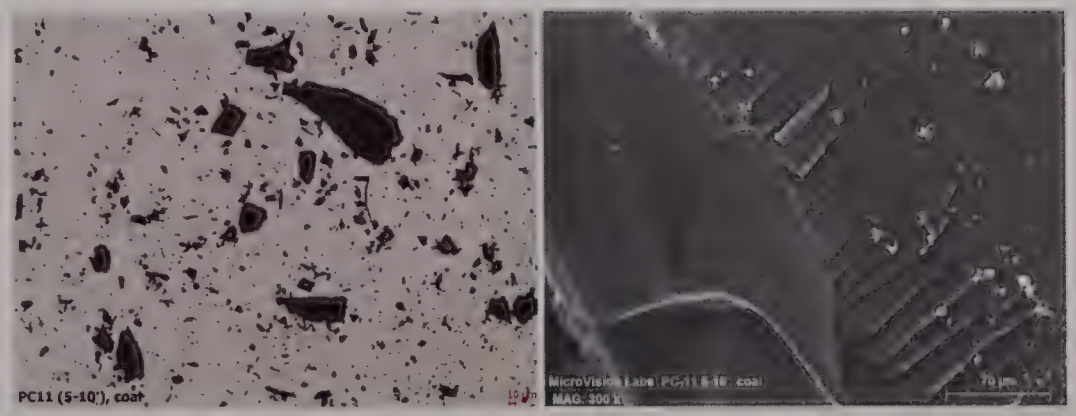
The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, magnesium, aluminum, silicon, potassium, titanium and iron.



Sample: PC-11 5-10'

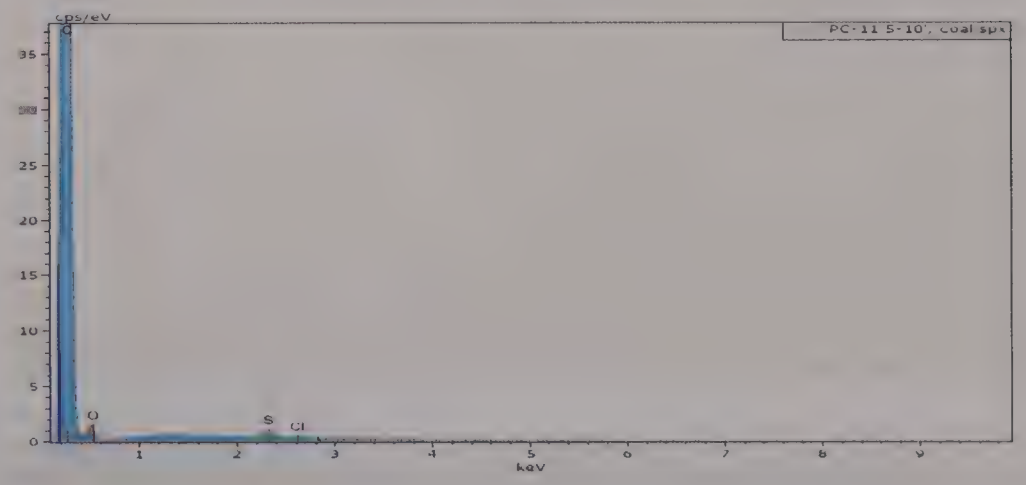
Number of Suspect Particle Types: Four (4)

Coal: This particle type consisted of fifty (50+) shiny, black grains approximately 1-15mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.

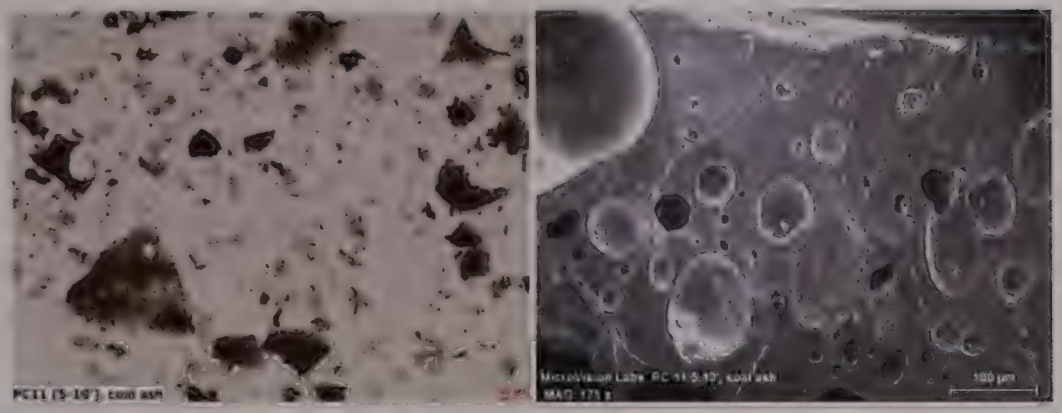


PLM Image **SEM Image**

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, sulfur and chlorine.

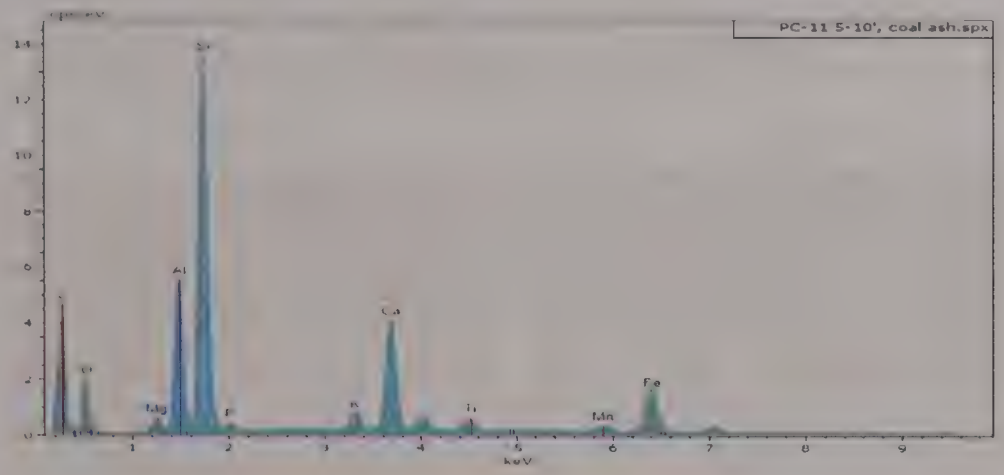


Coal Ash: This particle type consisted of eight to ten (8-10) dark, porous grains approximately 1-12mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.

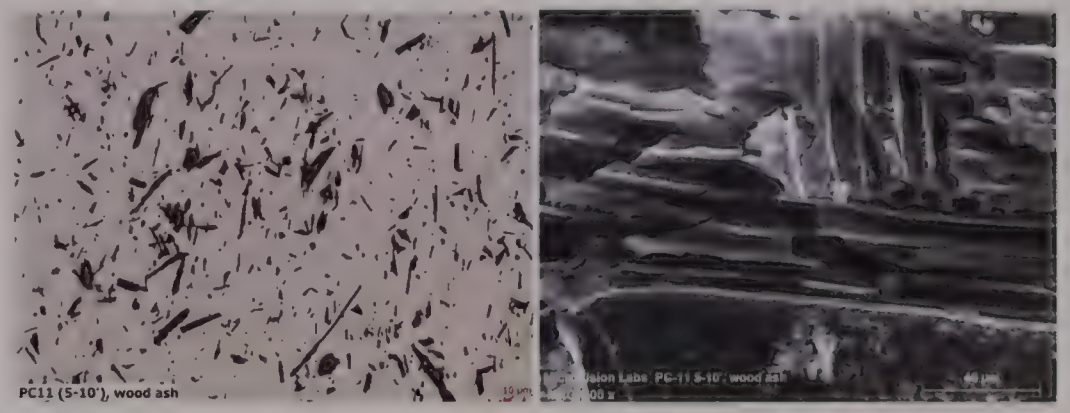


PLM Image SEM Image

The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, magnesium, aluminum, silicon, phosphorus, potassium, calcium, titanium, manganese and iron.

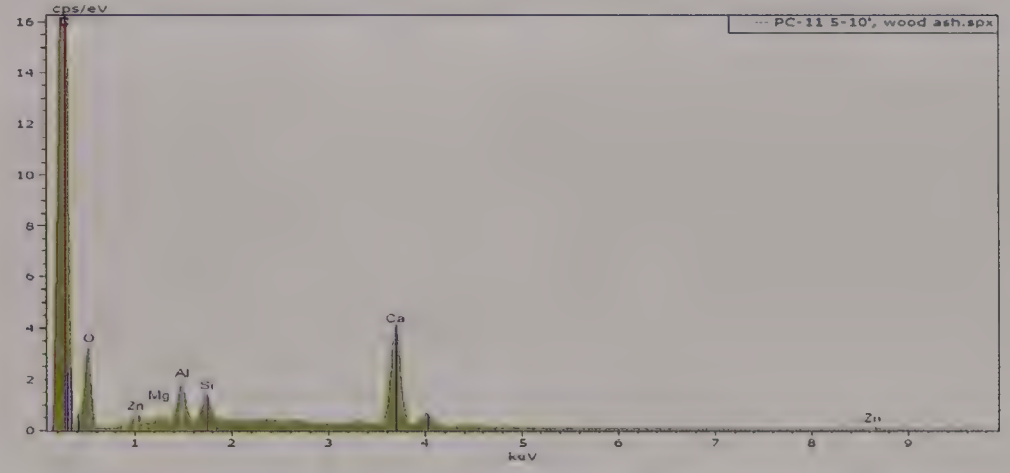


Wood Ash: This particle type consisted of one (1) friable, black grain approximately 1mm in length. The PLM examination indicated this particle type to be consistent with wood ash. The PLM and SEM photos show the cellular structure typical of wood still present in these grains.

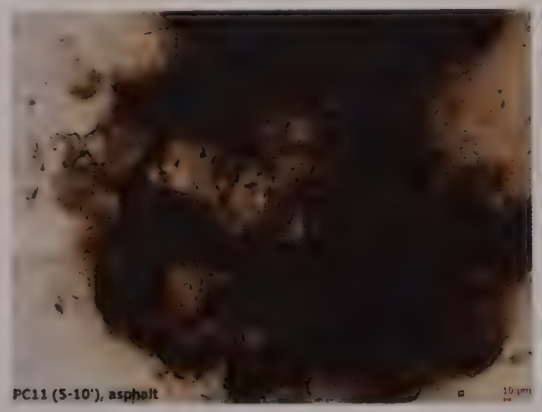


PLM Image SEM Image

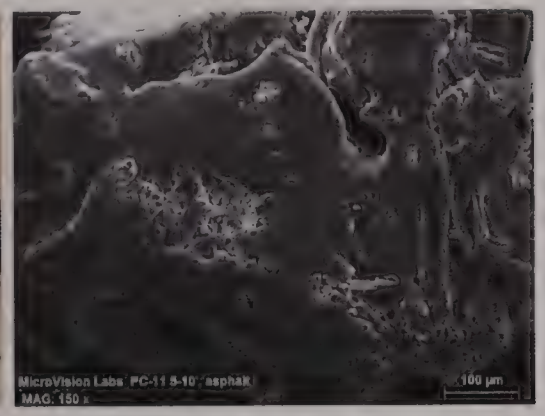
The EDS spectrum, shown below, indicates this particle type is wood ash. The analysis for this particle shows concentrations of carbon, oxygen, zinc, magnesium, aluminum, silicon, and calcium.



Asphalt: This particle type consisted of six (6) ductile, black grains approximately 2-8mm in diameter. These grains had mineral matter embedded in and stuck to them. During the PLM examination, these particles slowly dissolved in the mounting oil which is a typical characteristic of asphalt. The PLM image shows the dissolving asphalt particles, and the SEM image illustrates the morphology of asphalt with the embedded mineral grains

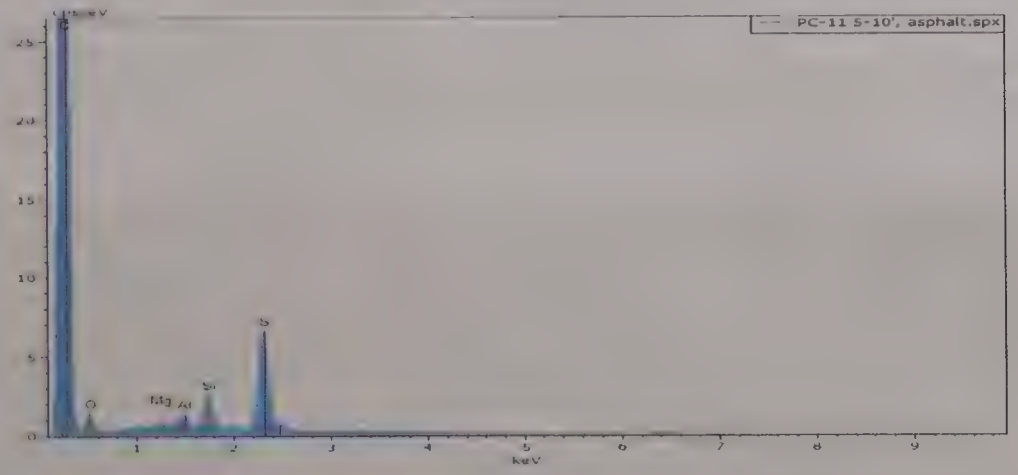


PLM Image



SEM Image

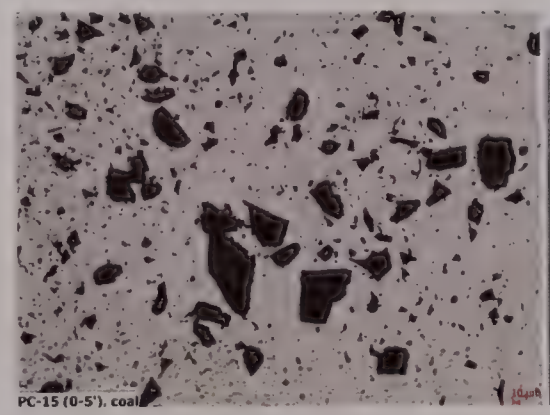
The EDS spectrum, shown below, indicates this particle type is asphalt. The analysis for this particle shows concentrations of carbon, oxygen, magnesium, aluminum, silicon and sulfur.



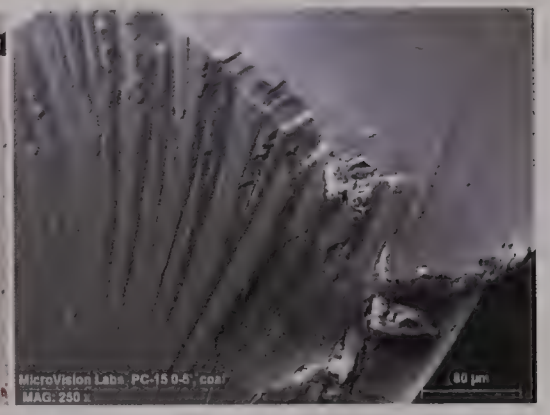
Sample: PC-15 0-5'

Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-35mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.

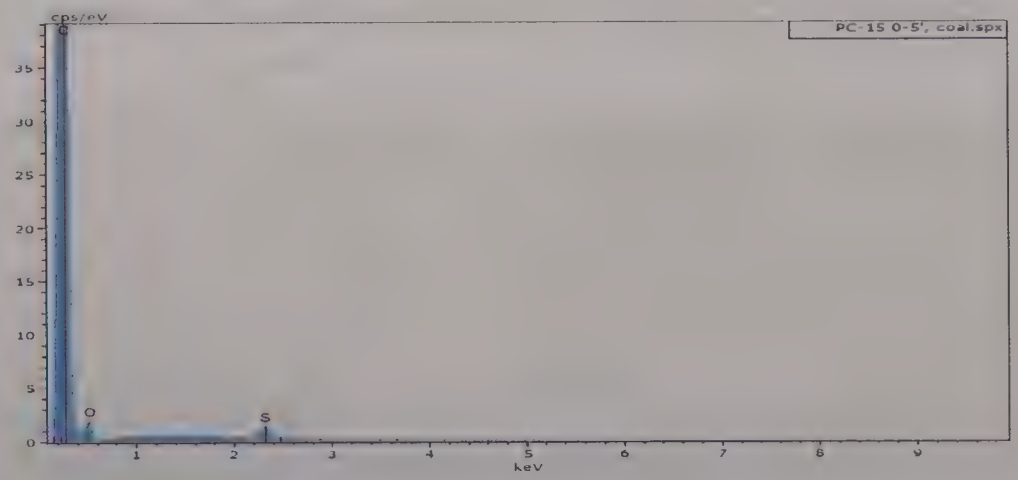


PLM Image

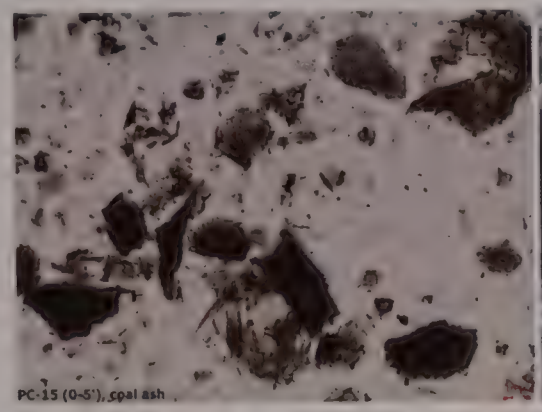


SEM Image

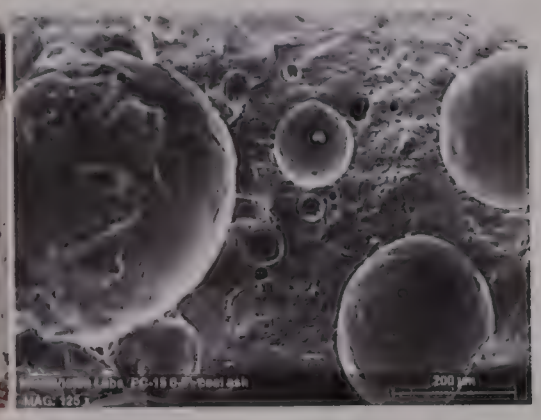
The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.



Coal Ash: This particle type consisted of thirty-five to forty (35-40) dark, porous grains approximately 1-15mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.

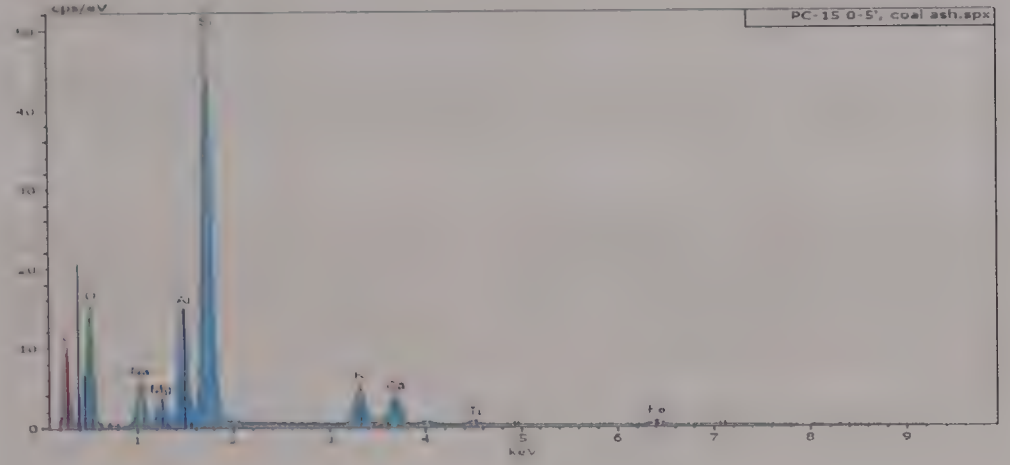


PLM Image



SEM Image

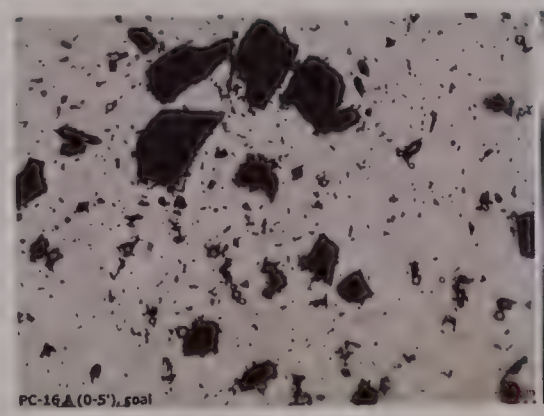
The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, titanium and iron



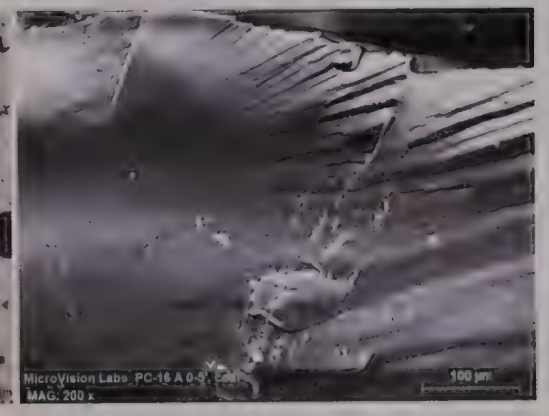
Sample: PC-16A 0-5'

Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-17mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.

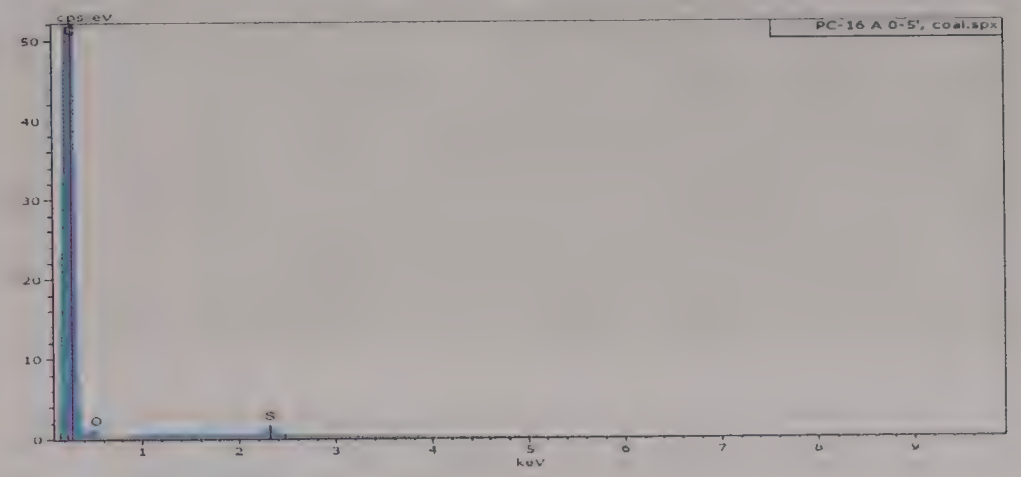


PLM Image



SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.

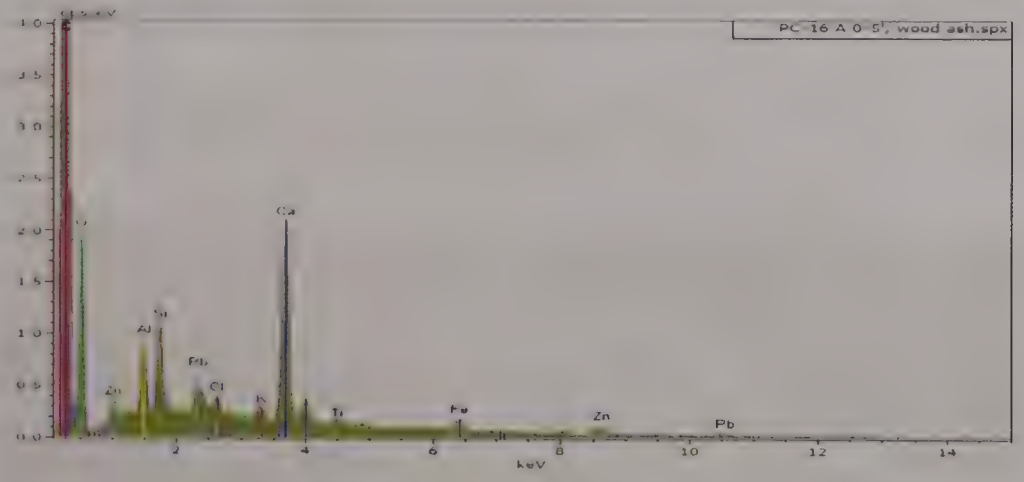


Wood Ash: This particle type consisted of ten to fifteen (10-15) friable, black grains approximately 2-7mm in length. The PLM examination indicated this particle type to be consistent with wood ash. The PLM and SEM photos show the cellular structure typical of wood still present in these grains.

PLM Image

SEM Image

The EDS spectrum, shown below, indicates this particle type is wood ash. The analysis for this particle shows concentrations of carbon, oxygen, aluminum, silicon, chlorine, potassium, calcium, titanium, iron, zinc and **lead***.



Sample: PC-16B 0-5'

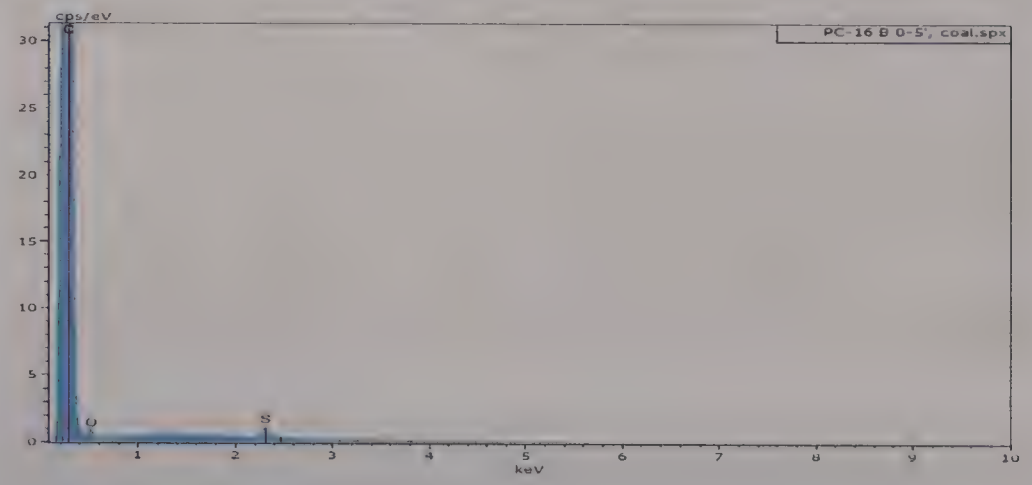
Number of Suspect Particle Types: Two (2)

Coal: This particle type consisted of over one hundred (100+) shiny, black grains approximately 1-30mm in diameter. The PLM examination indicated this particle type to be consistent with coal. The PLM and SEM images of this particle type show the angular edges and typical conchoidal fractures found in coal.

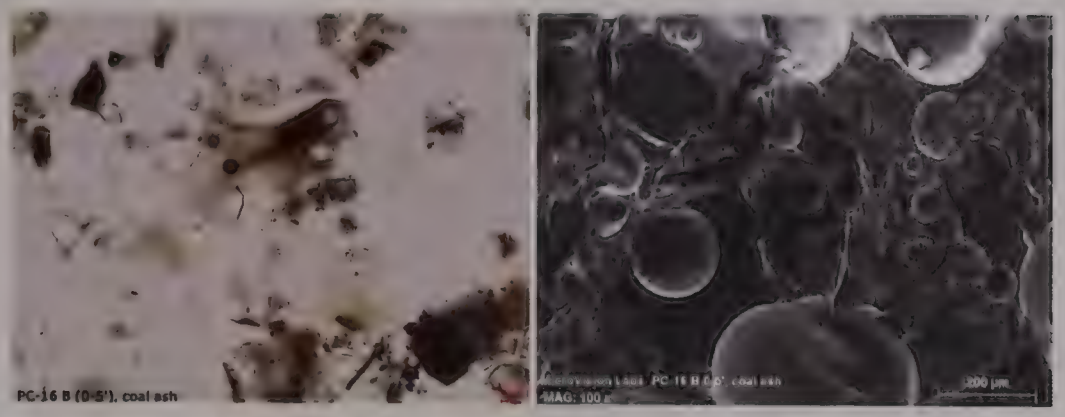
PLM Image

SEM Image

The EDS spectrum, shown below, confirms that this particle type is coal. The analysis for this particle shows concentrations of carbon, oxygen, and sulfur.

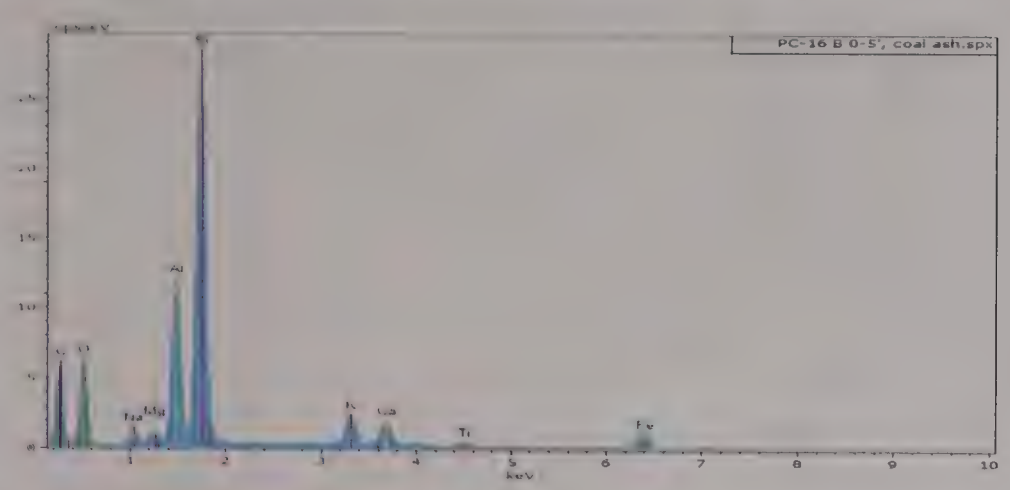


Coal Ash: This particle type consisted of twelve to fifteen (12-15) dark, porous grains approximately 1-10mm in diameter. The PLM examination indicated this particle type to be consistent with coal ash. The PLM and SEM images show the spherical gas voids that formed during combustion.



PLM Image SEM Image

The EDS spectrum, shown below, indicates this particle type is coal ash. The analysis for this particle shows concentrations of carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, titanium and iron



Results Summary Table:

Sample Name	Material Detected
PC-6 0-5'	Coal (very heavy), Coal Ash (light)
PC-11 0-5'	Coal (very heavy), Coal Ash (moderate)
PC-11 5-10'	Coal (heavy), Coal Ash (light), Wood Ash (trace), Asphalt (light)
PC-15 0-5'	Coal (very heavy), Coal Ash (moderate)
PC-16A 0-5'	Coal (very heavy), Wood Ash (light)
PC-16B 0-5'	Coal (very heavy), Coal Ash (light)

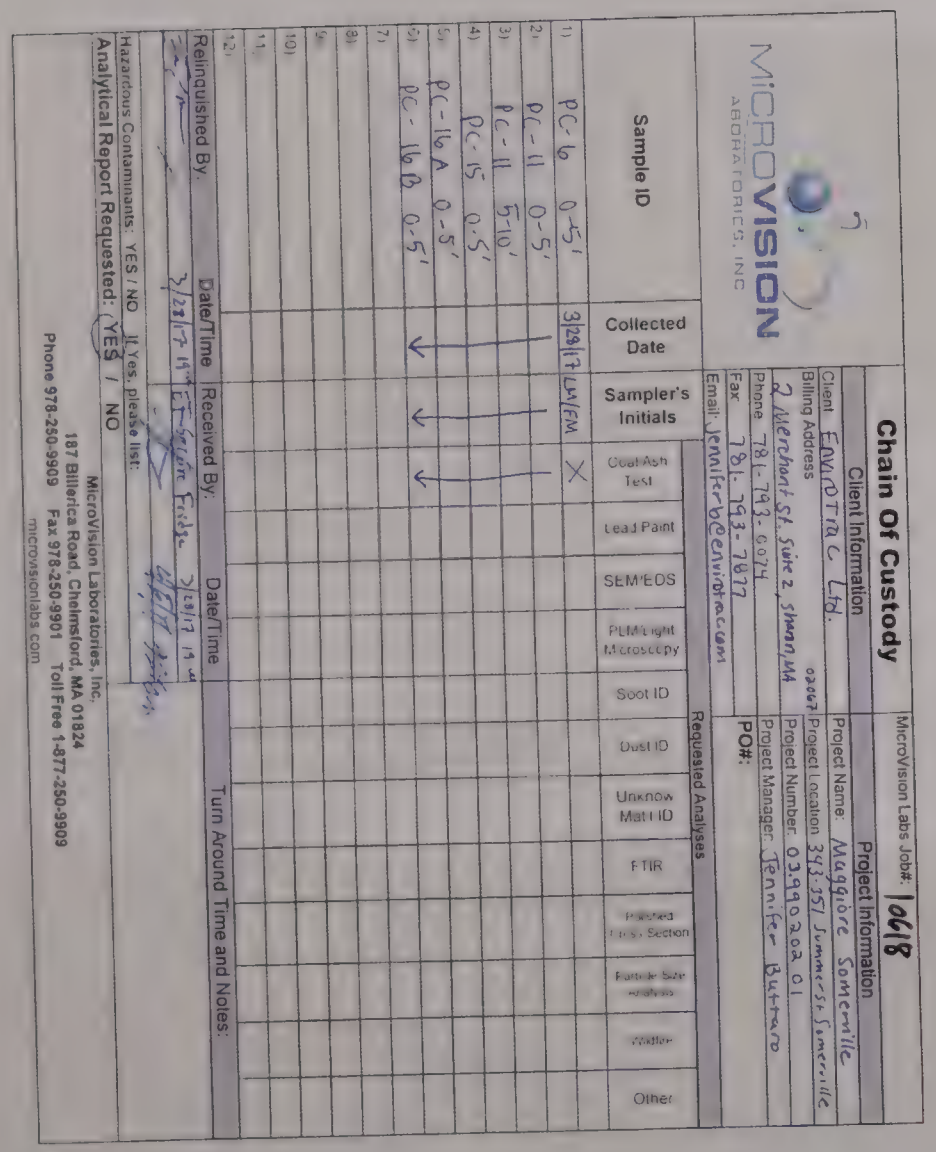
The concentrations of the particle types detected in these samples are listed in parenthesis in the table above and are based on the number of particles found and the relative difficultly in finding them. The concentration information is listed for informational purposes only and has no bearing on exemption status.

***In sample PC-16A 0-5'**, lead was detected in the wood ash particles. This is not a naturally occurring element in wood ash particles and further testing may be beneficial to determine the source and amount of lead present.

Please let us know if you have any questions about this analysis or if there is anything else we can do for you.

Sincerely,

Audra Chaput
Analytical Microscopist



Chain Of Custody — MicroVision Labs Job#: 10618

MICROVISION LABORATORIES, INC

Client Information
Client: EnviroTrac Ltd.
Billing Address: 2 Merchant St. Suite 2, Somerville, MA 02143
Phone: 781-793-9074 Fax: 781-793-7877
Email: jenniferb@envirotrac.com

Project Information
Project Name: Maggiore Somerville
Project Location: 343-351 Summer St Somerville MA
Project Number: 03.990202.01
Project Manager: Jennifer Buttaro
PO#:

	Sample ID	Collected Date	Sampler's Initials	Coal Ash Test	Lead Paint	SEM/EDS	PLM/Light Microscopy	Soot ID	Dust ID	Unknow Matl ID	FTIR	Passed Tests Section	Particle Size Analysis	Wattier	Other
1)	PC-6 0-5'	3/28/17	LH/FM	X											
2)	PC-11 0-5'														
3)	PC-11 5-10'														
4)	PC-15 0-5'														
5)	PC-16A 0-5'														
6)	PC-16B 0-5'														
7)															
8)															
9)															
10)															
11)															
12)															

Requested Analyses

Turn Around Time and Notes:

Relinquished By: Date/Time 3/28/17 15:45 — Received By: Date/Time 3/28/17 15:45

Hazardous Contaminants: YES / NO If Yes, please list:

Analytical Report Requested: YES / NO

MicroVision Laboratories, Inc.
187 Billerica Road, Chelmsford, MA 01824
Phone 978-250-9909 Fax 978-250-9901 Toll Free 1-877-250-9909
microvisionlabs.com

SGS ACCUTEST
New England

04/11/17

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e-Hardcopy 2.0
Automated Report

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC49976

Sampling Date: 03/28/17

Report to:

EnviroTrac, Ltd.

denat@envirotrac.com

ATTN: Dena Tomassi

Total number of pages in report: 537

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) LA (AI171119) ND (R-188) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Test results relate only to samples analyzed.

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Sample Summary

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC49976-1	03/28/17	09:50	LMFM	03/29/17	SO	Soil	PC-1 0-5'
MC49976-2	03/28/17	10:04	LMFM	03/29/17	SO	Soil	PC 1 5 10'
MC49976-3	03/28/17	10:12	LMFM	03/29/17	SO	Soil	PC-1 10-15'
MC49976-4	03/28/17	10:12	LMFM	03/29/17	SO	Soil	PC-1 0-15' COMP
MC49976-5	03/28/17	10:20	LMFM	03/29/17	SO	Soil	PC-2 0-5'
MC49976-6	03/28/17	10:28	LMFM	03/29/17	SO	Soil	PC-2 5-10'
MC49976-7	03/28/17	10:34	LMFM	03/29/17	SO	Soil	PC-2 10-15'
MC49976-8	03/28/17	10:34	LMFM	03/29/17	SO	Soil	PC-2 0-15' COMP
MC49976-9	03/28/17	10:40	LMFM	03/29/17	SO	Soil	PC-3 0-5'
MC49976-10	03/28/17	10:45	LMFM	03/29/17	SO	Soil	PC-3 5-10'
MC49976-11	03/28/17	10:50	LMFM	03/29/17	SO	Soil	PC-3 10-15'
MC49976-12	03/28/17	10:50	LMFM	03/29/17	SO	Soil	PC-3 0-15' COMP
MC49976-13	03/28/17	11:00	LMFM	03/29/17	SO	Soil	PC-4 0-5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC49976-14	03/28/17	11:07	LMFM03/29/17	SO	Soil	PC-4 5-10'
MC49976-15	03/28/17	11:14	LMFM03/29/17	SO	Soil	PC-4 10-15'
MC49976-16	03/28/17	11:14	LMFM03/29/17	SO	Soil	PC-4 0-15' COMP
MC49976-17	03/28/17	11:30	LMFM03/29/17	SO	Soil	PC-5 0-5'
MC49976-18	03/28/17	11:38	LMFM03/29/17	SO	Soil	PC-5 5-10'
MC49976-19	03/28/17	11:45	LMFM03/29/17	SO	Soil	PC-5 10-15'
MC49976-20	03/28/17	11:45	LMFM03/29/17	SO	Soil	PC-5 0-15' COMP
MC49976-21	03/28/17	11:50	LMFM03/29/17	SO	Soil	PC-6 0-5'
MC49976-22	03/28/17	11:55	LMFM03/29/17	SO	Soil	PC-6 5-10'
MC49976-23	03/28/17	12:00	LMFM03/29/17	SO	Soil	PC-6 10-15'
MC49976-24	03/28/17	12:00	LMFM03/29/17	SO	Soil	PC-6 0-15' COMP
MC49976-25	03/28/17	12:05	LMFM03/29/17	SO	Soil	PC-7 0-5'
MC49976-26	03/28/17	12:10	LMFM03/29/17	SO	Soil	PC-7 5-10'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC49976-27	03/28/17	12:15	LMFM03/29/17	SO	Soil	PC-7 10-15'
MC49976-28	03/28/17	12:15	LMFM03/29/17	SO	Soil	PC-7 0-15' COMP
MC49976-29	03/28/17	12:20	LMFM03/29/17	SO	Soil	PC-8 0-5'
MC49976-30	03/28/17	12:28	LMFM03/29/17	SO	Soil	PC-8 5-10'
MC49976-31	03/28/17	12:35	LMFM03/29/17	SO	Soil	PC-8 10-15'
MC49976-32	03/28/17	12:35	LMFM03/29/17	SO	Soil	PC-8 0-15' COMP
MC49976-33	03/28/17	12:40	LMFM03/29/17	SO	Soil	PC-9 0-5'
MC49976-34	03/28/17	12:45	LMFM03/29/17	SO	Soil	PC-9 5-10'
MC49976-35	03/28/17	12:50	LMFM03/29/17	SO	Soil	PC-9 10-15'
MC49976-36	03/28/17	12:50	LMFM03/29/17	SO	Soil	PC-9 0-15' COMP
MC49976-37	03/28/17	12:55	LMFM03/29/17	SO	Soil	PC-10 0-5'
MC49976-38	03/28/17	13:05	LMFM03/29/17	SO	Soil	PC-10 5-10'
MC49976-39	03/28/17	13:14	LMFM03/29/17	SO	Soil	PC-10 10-15'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC49976-40	03/28/17	13:14	LMFM	03/29/17	SO	Soil	PC-10 0-15' COMP
MC49976-41	03/28/17	13:20	LMFM	03/29/17	SO	Soil	PC-11 0-5'
MC49976-42	03/28/17	13:25	LMFM	03/29/17	SO	Soil	PC 11 5-10'
MC49976-43	03/28/17	13:33	LMFM	03/29/17	SO	Soil	PC-11 10-15'
MC49976-44	03/28/17	13:33	LMFM	03/29/17	SO	Soil	PC 11 0 15' COMP
MC49976-45	03/28/17	13:40	LMFM	03/29/17	SO	Soil	PC-12 0-5'
MC49976-46	03/28/17	13:45	LMFM	03/29/17	SO	Soil	PC-12 5-10'
MC49976-47	03/28/17	13:50	LMFM	03/29/17	SO	Soil	PC 12 10 15'
MC49976-48	03/28/17	13:50	LMFM	03/29/17	SO	Soil	PC 12 0 15' COMP
MC49976-49	03/28/17	13:55	LMFM	03/29/17	SO	Soil	PC 13 0 5'
MC49976-50	03/28/17	14:00	LMFM	03/29/17	SO	Soil	PC-13 5-10'
MC49976-51	03/28/17	14:07	LMFM	03/29/17	SO	Soil	PC-13 10-15'
MC49976-52	03/28/17	14:07	LMFM	03/29/17	SO	Soil	PC 13 0 15' COMP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SGS Accutest LabLink@11:46 11-Apr-2017

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC49976-53	03/28/17	14:10	LMFM	03/29/17	SO	Soil	PC 14 0 5'
MC49976-54	03/28/17	14:14	LMFM	03/29/17	SO	Soil	PC-14 5-10'
MC49976-55	03/28/17	14:18	LMFM	03/29/17	SO	Soil	PC 14 10 15'
MC49976-56	03/28/17	14:18	LMFM	03/29/17	SO	Soil	PC-14 0-15' COMP
MC49976-57	03/28/17	14:20	LMFM	03/29/17	SO	Soil	PC 15 0 5'
MC49976-58	03/28/17	14:22	LMFM	03/29/17	SO	Soil	PC-15 5-10'
MC49976-59	03/28/17	14:28	LMFM	03/29/17	SO	Soil	PC-15 10-15'
MC49976-60	03/28/17	14:28	LMFM	03/29/17	SO	Soil	PC 15 0 15' COMP
MC49976-61	03/28/17	14:30	LMFM	03/29/17	SO	Soil	PC-16A 0-5'
MC49976-62	03/28/17	14:38	LMFM	03/29/17	SO	Soil	PC 16B 0-5'
MC49976-63	03/28/17	14:45	LMFM	03/29/17	SO	Soil	PC-16C 0-5'
MC49976-64	03/28/17	14:45	LMFM	03/29/17	SO	Soil	PC 16 0 5' COMP
MC49976-65	03/28/17	14:58	LMFM	03/29/17	SO	Soil	PC 17A 0 5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC49976-66	03/28/17	15:05 LMFM	03/29/17	SO	Soil	PC-17B 0-5'
MC49976-67	03/28/17	15:12 LMFM	03/29/17	SO	Soil	PC-17C 0-5'
MC49976-68	03/28/17	15:12 LMFM	03/29/17	SO	Soil	PC-17 0-5' COMP
MC49976-69	03/28/17	15:18 LMFM	03/29/17	SO	Soil	PC-18A 0-5'
MC49976-70	03/28/17	15:28 LMFM	03/29/17	SO	Soil	PC-18B 0-5'
MC49976-71	03/28/17	15:33 LMFM	03/29/17	SO	Soil	PC-18C 0-5'
MC49976-72	03/28/17	15:33 LMFM	03/29/17	SO	Soil	PC-18 0-5' COMP
MC49976-73	03/28/17	15:36 LMFM	03/29/17	SO	Soil	PC-19A 0-5'
MC49976-74	03/28/17	15:38 LMFM	03/29/17	SO	Soil	PC-19B 0-5'
MC49976-75	03/28/17	15:45 LMFM	03/29/17	SO	Soil	PC-19C 0-5'
MC49976-76	03/28/17	15:45 LMFM	03/29/17	SO	Soil	PC-19 0-5' COMP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EnviroTrac, Ltd **Job No** MC49976

Site: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA **Report Date** 4/11/2017 11:14:39 A

76 Sample(s) were collected on 03/28/2017 and were received at SGS Accutest New England on 03/29/2017 properly preserved, at 1.1 Deg. C and intact. These Samples received a job number of MC49976. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job For more information, please refer to QC summary pages

Volatiles by GCMS By Method SW846 8260C

Matrix: SO **Batch ID:** MSM3002

- All samples were analyzed within the recommended method holding time
- The response factor (RF) for Acetone, 2-Butanone at low and average point in the initial calibration MSM2992-ICC2992 are less than the required RF of 0.1 as noted in Table 4 of SW846 8260C. The average and individual response factors for 1,4-Dioxane are less than 0.05
- All method blanks for this batch meet method specific criteria
- MSM3002-BS/BSD for Acetone, 2-Hexanone (BS only) Outside MCP control limits (biased high)
- Initial calibration verification standard MSM2993-ICV2992 for acetone, 2-butanone, 2-hexanone exceed 30% difference (biased high). Associated samples are non-detect for this compound or results may be biased high
- Continuing calibration check standard MSM3002-CC2992 for trichlorofluoromethane, 2-butanone exceeds 20% Difference (biased high). Associated samples are non-detect for this compound
- MC49976-12,16 Confirmation run
- MC49976-4,8,12,16,20 for Dibromofluoromethane: Outside MCP control limits (biased high)
- MSM3002-BS for 2-Butanone (MEK): Outside control limits. Associated samples are non-detect for this compound
- MC49976-8,12,16 has internal standards outside control limits due to possible matrix interference. Confirmed by reanalysis

Matrix: SO **Batch ID:** MSM3003

- Continuing calibration check standard MSM3003-CC2992 for di-isopropyl ether, 2-butanone, tert-butyl ethyl ether, 2,2-dichloropropane, 1,1,1-trichloroethane, carbon tetrachloride, n-butylbenzene exceeds 20% Difference (biased high). Associated samples are non-detect for this compound
- MSM3003-BS/BSD for Acetone, 2-Butanone (MEK), 1,4-Dioxane (BS only), 2-Hexanone (BS only): Outside MCP control limits (biased high)
- MC49976-32,36,40,44 for Dibromofluoromethane: Outside MCP control limits (biased high)
- RPD of MSM3003-BSD for tert-Butylbenzene, 1,4-Dioxane: Outside MCP control limits
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- MC49976-44,48,56,60,72: Confirmation run
- MC49976-48,56,60,72 for Dibromofluoromethane: Outside control limits due to possible matrix interference. Confirmed by reanalysis.
- Initial and Continuing Calibration Verification for Acetone outside of acceptance criteria (biased high) Result may be biased high
- MC49976-44 for Dibromofluoromethane: Outside control limits due to possible matrix interference
- MC49976-44,48,56,60,72 has internal standard Outside control limits due to possible matrix interference. Confirmed by reanalysis

Matrix: SO **Batch ID:** MSM3004

- Initial and Continuing Calibration Verification for Acetone outside of acceptance criteria (biased high). Result may be biased high

Volatiles by GCMS By Method SW846 8260C

Matrix: SO **Batch ID:** MSM3004

- Continuing calibration check standard MSM3004-CC2992 for 2-butanone, Tetrahydrofuran, n-butylbenzene exceeds 20% Difference (biased high). Associated samples are non-detect for this compound
- All samples were analyzed within the recommended method holding time
- MSM3004-BS for Acetone, 2-Butanone (MEK): Outside MCP control limits (biased high).
- All method blanks for this batch meet method specific criteria.
- MSM3004-MB for Dibromofluoromethane: Outside MCP control limits (biased high)
- MC49976-68: Confirmation run
- MC49976-64: Confirmation run
- MC49976-76: Confirmation run
- MC49976-64,68,76 for Dibromofluoromethane: Outside control limits due to possible matrix interference. Confirmed by reanalysis
- MC49976-64 for 4-Bromofluorobenzene: Outside control limits due to possible matrix interference. Confirmed by reanalysis
- MC49976-64,68,72 has internal standard Outside control limits due to possible matrix interference. Confirmed by reanalysis

Matrix: SO **Batch ID:** MSM3005

- All samples were analyzed within the recommended method holding time
- MSM3005-BS/BSD for Acetone, 2-Butanone (MEK): Outside MCP control limits (biased high)
- All method blanks for this batch meet method specific criteria.
- MSM3005-BS/BSD for Dichlorodifluoromethane: Outside MCP control limits (biased low)
- RPD of MSM3005-BSD for for Chloromethane, Vinyl chloride: Outside MCP control limits
- MSM3005-MB, MC49976-24 for Dibromofluoromethane: Outside MCP control limits (biased high)
- Continuing calibration check standard for methyl tert butyl ether, di-isopropyl ether, 2-butanone,2,2-dichloropropane, chloroform, 1,1-dichloropropene, tert-amyl methyl ether, trans-1,3-dichloropropene, n-butylbenzene exceeds 20% Difference (biased high). Associated samples are non-detect for this compound
- RPD of MSM3005-BSD for Bromomethane, Dichlorodifluoromethane: Outside control limits. Individual spike recoveries within acceptance limits
- Continuing calibration for dichlorodifluoromethane outside of acceptance criteria (biasedlow). Meets MCP technical requirements

Matrix: SO **Batch ID:** MSM3006

- MSM3006-BS/BSD for Acetone (BS only), 2-Butanone (MEK): Outside MCP control limits (biased high).
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Initial calibration verification standard MSM3006-ICV3006 for acetone, 2-butanone, 2-hexanone exceed 30% difference (biased high). Associated samples are non-detect for this compound
- The response factor (RF) for Acetone, 2-Butanone at low and average point in the initial calibration MSM3006-ICC3006 are less than the required RF of 0.1 as noted in Table 4 of SW846 8260C. The average and individual response factors for 1,4-Dioxane are less than 0.05.

Extractables by GCMS By Method SW846 8270D

Matrix: SO **Batch ID:** OP49564

- All samples were extracted within the recommended method holding time
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Quadratic regression is employed for initial calibration standard MSR1934-ICC1934 for Benzoic acid
- Continuing Calibration MSR1939-CC1934 for 2,4-Dinitrophenol outside of acceptance criteria (biased low). Meets MCP technical requirements

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GWX3998

- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Extractables by GC By Method SW846 8081B

Matrix: SO **Batch ID:** OP49567

- All samples were extracted within the recommended method holding time
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Quadratic regression is employed for initial calibration standard GBE2736-ICC2736, signal #1 for Hexachlorobenzene
- Continuing calibration check standard GBE2736-CC2736, file BE54529, signal #1 for TCMX, Dieldrin exceed criteria (biased low). Dieldrin in associated sample is reported from signal #2
- Continuing calibration check standard GBE2736-CC2736, signal #1, file BE54541, BE54545 have some compounds exceed criteria (biased low)due to possible residual matrix interference. Confirmed by reanalysis
- MC49976-16,32,60,68,72,76 for Decachlorobiphenyl Outside control limits due to possible matrix interference
- MC49976-24 for Decachlorobiphenyl: Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis

Extractables by GC By Method SW846 8082A

Matrix: SO **Batch ID:** OP49566

- All samples were extracted within the recommended method holding time
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Extractables by GC By Method SW846 8151

Matrix: SO **Batch ID:** N OP1615

- Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO **Batch ID:** N:OP1744

- Analysis performed at SGS Accutest, Dayton, NJ

Extractables by GC By Method SW846-8015

Matrix: SO **Batch ID:** OP49565

- All samples were extracted within the recommended method holding time
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Metals By Method SW846 6010C

Matrix: SO	Batch ID: N MP99632

- Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N MP99633

- Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N MP99640

- Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N MP99641

- Analysis performed at SGS Accutest, Dayton, NJ

Metals By Method SW846 7471B

Matrix: SO	Batch ID: N MP99635

- Mercury - Analysis performed at SGS Accutest, Dayton, NJ

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO	Batch ID: N GN61855

- Specific Conductivity: Analysis performed at SGS Accutest, Dayton, NJ.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: N GN61794

- Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GN61797

- Solids, Percent: Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GN61798

- Solids, Percent - Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GN61801

- Solids, Percent - Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GN61802

- Solids, Percent - Analysis performed at SGS Accutest, Dayton, NJ

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: N GN61883

- Ignitability (Flashpoint) - Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GN61962

- Ignitability (Flashpoint) - Analysis performed at SGS Accutest, Dayton, NJ

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: N GN61915

- pH - Analysis performed at SGS Accutest, Dayton, NJ

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: N GP4318

- MCyanide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GP4320

- Cyanide Reactivity - Analysis performed at SGS Accutest, Dayton, NJ

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: N GP4317

- Sulfide Reactivity: Analysis performed at SGS Accutest, Dayton, NJ

Matrix: SO	Batch ID: N GP4319

- Sulfide Reactivity - Analysis performed at SGS Accutest, Dayton, NJ

SGS-Accutest may not have met all requested limits due to methodology limitations, sample matrix, dilutions, or percent solids

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC49976)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England **Job No** MC49976

Site: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somer **Report Date** 4/10/2017 6:27:00 PM

On 03/30/2017, 76 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC49976 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Please refer to certification exceptions summary for additional certification information.

Extractables by GC By Method SW846 8151

Matrix: SO **Batch ID:** OP1615

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria
- MC49976-76 for 2,4-DCAA: High percent recoveries and no positive found in the sample.
- MC49976-56 for 2,4-DCAA: High percent recoveries and no positive found in the sample.
- MC49976-52 for 2,4-DCAA: High percent recoveries and no positive found in the sample.

Matrix: SO **Batch ID:** OP1744

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria
- OP1744-BSD for 2,4,5-T: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP1744-BS1 for 2,4,5-T: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Metals By Method SW846 6010C

Matrix: SO **Batch ID:** MP99632

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-2SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Selenium, Silver are outside control limits for sample MP99632-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Matrix: SO **Batch ID:** MP99633

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-22SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Arsenic, Lead, Silver are outside control limits for sample MP99633-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Matrix: SO **Batch ID:** MP99640

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-41SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Cadmium, Selenium are outside control limits for sample MP99640-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Matrix: SO **Batch ID:** MP99641

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) MC49976-69SDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Cadmium, Selenium, Silver are outside control limits for sample MP99641-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Metals By Method SW846 7471B

Matrix: SO **Batch ID:** MP99635

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Wet Chemistry By Method SM2510B-11M/SW9050AM

Matrix: SO **Batch ID:** GN61855

- The data for SM2510B-11M/SW9050AM meets quality control requirements

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN61794

- The data for SM2540 G-97 meets quality control requirements

Matrix: SO	Batch ID: GN61797

- The data for SM2540 G-97 meets quality control requirements

Matrix: SO	Batch ID: GN61798

- The data for SM2540 G-97 meets quality control requirements

Matrix: SO	Batch ID: GN61801

- The data for SM2540 G-97 meets quality control requirements

Matrix: SO	Batch ID: GN61802

- The data for SM2540 G-97 meets quality control requirements

Wet Chemistry By Method SW846 1010A/ASTM D93

Matrix: SO	Batch ID: GN61883

- The data for SW846 1010A/ASTM D93 meets quality control requirements

Matrix: SO	Batch ID: GN61962

- The data for SW846 1010A/ASTM D93 meets quality control requirements

Wet Chemistry By Method SW846 9045D

Matrix: SO	Batch ID: GN61915

- The data for SW846 9045D meets quality control requirements

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO	Batch ID: GP4318

- All samples were prepared within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Matrix: SO	Batch ID: GP4320

- All samples were prepared within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO	Batch ID: GP4317

- All samples were prepared within the recommended method holding time
- All method blanks for this batch meet method specific criteria

Matrix: SO	Batch ID: GP4319

- All samples were prepared within the recommended method holding time
- All method blanks for this batch meet method specific criteria

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-1	PC-1 0-5'					
Lead [a]		86.9	2.3		mg/kg	SW846 6010C
MC49976-2	PC-1 5-10'					
Lead [a]		17.7	2.1		mg/kg	SW846 6010C
MC49976-3	PC-1 10-15'					
Lead [a]		9.6	2.4		mg/kg	SW846 6010C
MC49976-4	PC-1 0-15' COMP					
Acetone [b]		0.0542	0.011		mg/kg	SW846 8260C
Naphthalene		0.0162	0.0056		mg/kg	SW846 8260C
Acenaphthene		1.10	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.705	0.11		mg/kg	SW846 8270D
Anthracene		5.00	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		11.6	0.57		mg/kg	SW846 8270D
Benzo(a)pyrene		9.02	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		9.00	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		4.92	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		5.68	0.11		mg/kg	SW846 8270D
Chrysene		10.2	0.57		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		2.06	0.11		mg/kg	SW846 8270D
Dibenzofuran		1.06	0.11		mg/kg	SW846 8270D
Fluoranthene		27.8	0.57		mg/kg	SW846 8270D
Fluorene		1.71	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		5.73	0.28		mg/kg	SW846 8270D
2-Methylnaphthalene		0.249	0.11		mg/kg	SW846 8270D
Naphthalene		0.517	0.11		mg/kg	SW846 8270D
Phenanthrene		20.8	0.57		mg/kg	SW846 8270D
Pyrene		21.9	0.57		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		197	19		mg/kg	SW846 8015
Arsenic [a]		3.2	2.3		mg/kg	SW846 6010C
Barium [a]		54.1	5.8		mg/kg	SW846 6010C
Chromium [a]		23.9	1.2		mg/kg	SW846 6010C
Lead [a]		46.3	2.3		mg/kg	SW846 6010C
Silver [a]		0.96	0.58		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		195	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		7.56			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-5	PC-2 0-5'					
Lead [a]		23.9	2.4		mg/kg	SW846 6010C
MC49976-6	PC-2 5-10'					
Lead [a]		6.4	2.3		mg/kg	SW846 6010C
MC49976-7	PC-2 10-15'					
Lead [a]		11.2	2.4		mg/kg	SW846 6010C
MC49976-8	PC-2 0-15' COMP					
Acetone [b]		0.0284	0.012		mg/kg	SW846 8260C
Anthracene		0.209	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.628	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.580	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.436	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.361	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.500	0.12		mg/kg	SW846 8270D
Chrysene		0.542	0.12		mg/kg	SW846 8270D
Fluoranthene		1.27	0.12		mg/kg	SW846 8270D
Indeno(1,2,3 cd)pyrene		0.394	0.30		mg/kg	SW846 8270D
Phenanthrene		0.781	0.12		mg/kg	SW846 8270D
Pyrene		1.17	0.12		mg/kg	SW846 8270D
TPH DRO (Semi VOA)		26.5	19		mg/kg	SW846 8015
Arsenic [a]		5.8	2.5		mg/kg	SW846 6010C
Barium [a]		31.9	6.3		mg/kg	SW846 6010C
Chromium [a]		18.5	1.3		mg/kg	SW846 6010C
Lead [a]		8.7	2.5		mg/kg	SW846 6010C
Silver [a]		0.71	0.63		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		144	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		7.60			su	SW846 9045D
MC49976-9	PC-3 0-5'					
Lead [a]		20.1	2.2		mg/kg	SW846 6010C
MC49976-10	PC-3 5-10'					
Lead [a]		8.6	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-11	PC-3 10-15'					
Lead [a]		11.3	2.6		mg/kg	SW846 6010C
MC49976-12	PC-3 0-15' COMP					
Acetone [b]		0.0407	0.010		mg/kg	SW846 8260C
Ethylbenzene		0.0027	0.0021		mg/kg	SW846 8260C
m,p-Xylene		0.0144	0.0021		mg/kg	SW846 8260C
o-Xylene		0.0067	0.0021		mg/kg	SW846 8260C
Xylene (total)		0.0211	0.0021		mg/kg	SW846 8260C
Acenaphthylene		0.127	0.11		mg/kg	SW846 8270D
Anthracene		0.300	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		1.31	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		1.27	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.944	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.709	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.939	0.11		mg/kg	SW846 8270D
Chrysene		1.13	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.191	0.11		mg/kg	SW846 8270D
Fluoranthene		2.43	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.762	0.29		mg/kg	SW846 8270D
Phenanthrene		1.04	0.11		mg/kg	SW846 8270D
Pyrene		2.49	0.11		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		135	19		mg/kg	SW846-8015
Arsenic [a]		7.1	2.3		mg/kg	SW846 6010C
Barium [a]		66.6	5.7		mg/kg	SW846 6010C
Chromium [a]		27.1	1.1		mg/kg	SW846 6010C
Lead [a]		44.7	2.3		mg/kg	SW846 6010C
Silver [a]		0.85	0.57		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		241	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		8.72			su	SW846 9045D
MC49976-13	PC-4 0-5'					
Lead [a]		99.9	2.2		mg/kg	SW846 6010C
MC49976-14	PC-4 5-10'					
Lead [a]		22.7	2.4		mg/kg	SW846 6010C
MC49976-15	PC-4 10-15'					
Lead [a]		16.8	2.8		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-16	PC-4 0-15' COMP					
Acetone [b]		0.0800	0.013		mg/kg	SW846 8260C
Acenaphthene		0.907	0.12		mg/kg	SW846 8270D
Acenaphthylene		2.65	0.12		mg/kg	SW846 8270D
Anthracene		5.50	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		10.8	0.61		mg/kg	SW846 8270D
Benzo(a)pyrene		7.70	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		7.33	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		3.81	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		5.68	0.12		mg/kg	SW846 8270D
Chrysene		10.0	0.61		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.57	0.12		mg/kg	SW846 8270D
Dibenzofuran		2.12	0.12		mg/kg	SW846 8270D
Fluoranthene		29.4	0.61		mg/kg	SW846 8270D
Fluorene		4.59	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		4.71	0.30		mg/kg	SW846 8270D
2-Methylnaphthalene		0.463	0.12		mg/kg	SW846 8270D
Naphthalene		0.259	0.12		mg/kg	SW846 8270D
Phenanthrene		33.5	0.61		mg/kg	SW846 8270D
Pyrene		23.0	0.61		mg/kg	SW846 8270D
4,4'-DDT		0.0103	0.0061		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		207	20		mg/kg	SW846-8015
Arsenic [a]		10.4	2.7		mg/kg	SW846 6010C
Barium [a]		100	6.7		mg/kg	SW846 6010C
Chromium [a]		36.6	1.3		mg/kg	SW846 6010C
Lead [a]		63.5	2.7		mg/kg	SW846 6010C
Mercury [a]		0.058	0.039		mg/kg	SW846 7471B
Silver [a]		0.75	0.67		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		367	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		8.10			su	SW846 9045D
MC49976-17	PC-5 0-5'					
Lead [a]		128	2.3		mg/kg	SW846 6010C
MC49976-18	PC-5 5-10'					
Lead [a]		13.2	2.5		mg/kg	SW846 6010C
MC49976-19	PC-5 10-15'					
Lead [a]		16.9	2.4		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-20	PC-5 0-15' COMP					
Acetone [b]		0.0375	0.012		mg/kg	SW846 8260C
Ethylbenzene		0.0031	0.0023		mg/kg	SW846 8260C
m,p Xylene		0.0159	0.0023		mg/kg	SW846 8260C
o-Xylene		0.0066	0.0023		mg/kg	SW846 8260C
Xylene (total)		0.0225	0.0023		mg/kg	SW846 8260C
Acenaphthene		0.184	0.12		mg/kg	SW846 8270D
Acenaphthylene		0.485	0.12		mg/kg	SW846 8270D
Anthracene		0.529	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		2.17	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		2.04	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.74	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.24	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.74	0.12		mg/kg	SW846 8270D
Chrysene		2.16	0.12		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.426	0.12		mg/kg	SW846 8270D
Dibenzofuran		0.128	0.12		mg/kg	SW846 8270D
Fluoranthene		4.11	0.12		mg/kg	SW846 8270D
Fluorene		0.194	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1.39	0.30		mg/kg	SW846 8270D
Phenanthrene		2.40	0.12		mg/kg	SW846 8270D
Pyrene		3.91	0.12		mg/kg	SW846 8270D
TPH DRO (Semi-VOA)		58.4	20		mg/kg	SW846-8015
Arsenic [a]		12.4	2.6		mg/kg	SW846 6010C
Barium [a]		103	6.4		mg/kg	SW846 6010C
Chromium [a]		40.6	1.3		mg/kg	SW846 6010C
Lead [a]		56.6	2.6		mg/kg	SW846 6010C
Mercury [a]		0.51	0.039		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		812	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		7.88			su	SW846 9045D
MC49976-21	PC-6 0-5'					
Lead [a]		67.4	2.3		mg/kg	SW846 6010C
MC49976-22	PC-6 5-10'					
Lead [a]		2.5	2.0		mg/kg	SW846 6010C
MC49976-23	PC-6 10-15'					
Lead [a]		10	2.4		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-24	PC-6 0-15' COMP					
Naphthalene		0.0339	0.0054		mg/kg	SW846 8260C
Acenaphthene		0.692	0.11		mg/kg	SW846 8270D
Acenaphthylene		1.09	0.11		mg/kg	SW846 8270D
Anthracene		2.30	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		7.67	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		8.75	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		8.03	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		5.18	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		4.56	0.11		mg/kg	SW846 8270D
Chrysene		8.43	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.49	0.11		mg/kg	SW846 8270D
Fluoranthene		21.6	0.56		mg/kg	SW846 8270D
Fluorene		0.866	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		5.47	0.28		mg/kg	SW846 8270D
2 Methylnaphthalene		0.329	0.11		mg/kg	SW846 8270D
Naphthalene		0.706	0.11		mg/kg	SW846 8270D
Phenanthrene		15.1	0.56		mg/kg	SW846 8270D
Pyrene		20.0	0.56		mg/kg	SW846 8270D
4,4' DDT		0.0449	0.0056		mg/kg	SW846 8081B
TPH DRO (Semi-VOA)		423	19		mg/kg	SW846-8015
Arsenic [a]		4.3	2.4		mg/kg	SW846 6010C
Barium [a]		58.0	5.9		mg/kg	SW846 6010C
Chromium [a]		17.7	1.2		mg/kg	SW846 6010C
Lead [a]		24.2	2.4		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		169	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.33			su	SW846 9045D
MC49976-25	PC-7 0-5'					
Lead [a]		156	2.4		mg/kg	SW846 6010C
MC49976-26	PC-7 5-10'					
Lead [a]		4.2	2.2		mg/kg	SW846 6010C
MC49976-27	PC-7 10-15'					
Lead [a]		5.7	2.3		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-28	PC-7 0-15' COMP					
Acetone [c]		0.0242	0.011		mg/kg	SW846 8260C
Fluoranthene		0.254	0.12		mg/kg	SW846 8270D
Phenanthrene		0.136	0.12		mg/kg	SW846 8270D
Pyrene		0.238	0.12		mg/kg	SW846 8270D
Arsenic [a]		9.2	2.4		mg/kg	SW846 6010C
Barium [a]		56.2	6.0		mg/kg	SW846 6010C
Chromium [a]		23.0	1.2		mg/kg	SW846 6010C
Lead [a]		40.7	2.4		mg/kg	SW846 6010C
Mercury [a]		0.099	0.037		mg/kg	SW846 7471B
Silver [a]		2.5	0.60		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		311	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.83			su	SW846 9045D
MC49976-29	PC-8 0-5'					
Lead [a]		104	2.6		mg/kg	SW846 6010C
MC49976-30	PC-8 5-10'					
Lead [a]		2.9	2.2		mg/kg	SW846 6010C
MC49976-31	PC-8 10-15'					
Lead [a]		12.9	2.5		mg/kg	SW846 6010C
MC49976-32	PC-8 0-15' COMP					
Acetone [c]		0.0235	0.010		mg/kg	SW846 8260C
Acenaphthene		0.213	0.11		mg/kg	SW846 8270D
Anthracene		0.490	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		1.32	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		1.27	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.981	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.700	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.979	0.11		mg/kg	SW846 8270D
Chrysene		1.22	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.235	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.113	0.11		mg/kg	SW846 8270D
Fluoranthene		2.94	0.11		mg/kg	SW846 8270D
Fluorene		0.158	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.812	0.28		mg/kg	SW846 8270D
Phenanthrene		2.29	0.11		mg/kg	SW846 8270D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Pyrene		2.74	0.11		mg/kg	SW846 8270D
4,4'-DDT		0.0067	0.0057		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		18.8	18		mg/kg	SW846-8015
Arsenic [a]		9.0	2.2		mg/kg	SW846 6010C
Barium [a]		51.5	5.5		mg/kg	SW846 6010C
Chromium [a]		23.4	1.1		mg/kg	SW846 6010C
Lead [a]		40.2	2.2		mg/kg	SW846 6010C
Mercury [a]		0.14	0.035		mg/kg	SW846 7471B
Silver [a]		2.4	0.55		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		285	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		7.89			su	SW846 9045D
MC49976-33	PC-9 0-5'					
Lead [a]		26.2	2.2		mg/kg	SW846 6010C
MC49976-34	PC-9 5-10'					
Lead [a]		28.2	2.5		mg/kg	SW846 6010C
MC49976-35	PC-9 10-15'					
Lead [a]		11.5	2.6		mg/kg	SW846 6010C
MC49976-36	PC-9 0-15' COMP					
Anthracene		0.122	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.413	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.430	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.368	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.303	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.355	0.12		mg/kg	SW846 8270D
Chrysene		0.398	0.12		mg/kg	SW846 8270D
Fluoranthene		0.712	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.309	0.29		mg/kg	SW846 8270D
Phenanthrene		0.388	0.12		mg/kg	SW846 8270D
Pyrene		0.725	0.12		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		39.3	19		mg/kg	SW846-8015
Arsenic [a]		14.4	2.4		mg/kg	SW846 6010C
Barium [a]		86.8	6.1		mg/kg	SW846 6010C
Chromium [a]		28.9	1.2		mg/kg	SW846 6010C
Lead [a]		31.6	2.4		mg/kg	SW846 6010C
Mercury [a]		3.3	0.18		mg/kg	SW846 7471B
Silver [a]		2.6	0.61		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		282	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		8.06			su	SW846 9045D
MC49976-37	PC-10 0-5'					
Lead [a]		28.6	2.3		mg/kg	SW846 6010C
MC49976-38	PC-10 5-10'					
Lead [a]		8.7	2.5		mg/kg	SW846 6010C
MC49976-39	PC-10 10-15'					
Lead [a]		12.2	2.6		mg/kg	SW846 6010C
MC49976-40	PC-10 0-15' COMP					
Acetone [c]		0.0445	0.011		mg/kg	SW846 8260C
Acenaphthylene		0.401	0.12		mg/kg	SW846 8270D
Anthracene		0.369	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		1.29	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		1.31	0.30		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.999	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.788	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.08	0.12		mg/kg	SW846 8270D
Chrysene		1.18	0.12		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.255	0.12		mg/kg	SW846 8270D
Fluoranthene		2.21	0.12		mg/kg	SW846 8270D
Fluorene		0.142	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.881	0.30		mg/kg	SW846 8270D
Phenanthrene		1.12	0.12		mg/kg	SW846 8270D
Pyrene		1.99	0.12		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		52.2	19		mg/kg	SW846-8015
Arsenic [a]		11.3	2.3		mg/kg	SW846 6010C
Barium [a]		105	5.8		mg/kg	SW846 6010C
Chromium [a]		45.5	1.2		mg/kg	SW846 6010C
Lead [a]		19.0	2.3		mg/kg	SW846 6010C
Mercury [a]		0.084	0.037		mg/kg	SW846 7471B
Silver [a]		2.7	1.8		mg/kg	SW846 6010C
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		172	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		7.67			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-41	PC-11 0-5'					
Lead [a]		15.4	2.2		mg/kg	SW846 6010C
MC49976-42	PC-11 5-10'					
Lead [a]		10.5	2.5		mg/kg	SW846 6010C
MC49976-43	PC-11 10-15'					
Lead [a]		7.4	2.3		mg/kg	SW846 6010C
MC49976-44	PC-11 0-15' COMP					
Acetone [c]		0.0338	0.012		mg/kg	SW846 8260C
Benzo(a)anthracene		0.123	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.117	0.11		mg/kg	SW846 8270D
Chrysene		0.118	0.11		mg/kg	SW846 8270D
Fluoranthene		0.115	0.11		mg/kg	SW846 8270D
Pyrene		0.123	0.11		mg/kg	SW846 8270D
TPH DRO (Semi VOA)		36.3	18		mg/kg	SW846-8015
Arsenic [a]		3.2	2.3		mg/kg	SW846 6010C
Barium [a]		28.1	5.8		mg/kg	SW846 6010C
Chromium [a]		12.9	1.2		mg/kg	SW846 6010C
Lead [a]		17.9	2.3		mg/kg	SW846 6010C
Mercury [a]		0.045	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		156	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		6.20			su	SW846 9045D
MC49976-45	PC-12 0-5'					
Lead [a]		138	2.3		mg/kg	SW846 6010C
MC49976-46	PC-12 5-10'					
Lead [a]		488	2.3		mg/kg	SW846 6010C
MC49976-47	PC-12 10-15'					
Lead [a]		4.1	2.2		mg/kg	SW846 6010C
MC49976-48	PC-12 0-15' COMP					
Acetone [c]		0.113	0.011		mg/kg	SW846 8260C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene		0.115	0.11		mg/kg	SW846 8270D
Fluoranthene		0.222	0.11		mg/kg	SW846 8270D
Phenanthrene		0.127	0.11		mg/kg	SW846 8270D
Pyrene		0.209	0.11		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		50.0	19		mg/kg	SW846-8015
Arsenic [a]		7.2	2.3		mg/kg	SW846 6010C
Barium [a]		61.7	5.7		mg/kg	SW846 6010C
Cadmium [a]		0.77	0.57		mg/kg	SW846 6010C
Chromium [a]		13.9	1.1		mg/kg	SW846 6010C
Lead [a]		238	2.3		mg/kg	SW846 6010C
Mercury [a]		0.17	0.038		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		330	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.59			su	SW846 9045D
MC49976-49	PC-13 0-5'					
Lead [a]		340	2.5		mg/kg	SW846 6010C
MC49976-50	PC-13 5-10'					
Lead [a]		62.3	3.2		mg/kg	SW846 6010C
MC49976-51	PC-13 10-15'					
Lead [a]		4.8	2.2		mg/kg	SW846 6010C
MC49976-52	PC-13 0-15' COMP					
m,p-Xylene		0.0039	0.0023		mg/kg	SW846 8260C
Xylene (total)		0.0055	0.0023		mg/kg	SW846 8260C
Anthracene		0.133	0.12		mg/kg	SW846 8270D
Benzo(a)anthracene		0.512	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.539	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.413	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.304	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.416	0.12		mg/kg	SW846 8270D
Chrysene		0.509	0.12		mg/kg	SW846 8270D
Fluoranthene		1.02	0.12		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.335	0.29		mg/kg	SW846 8270D
Phenanthrene		0.579	0.12		mg/kg	SW846 8270D
Pyrene		0.955	0.12		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		41.9	19		mg/kg	SW846 8015
Arsenic [a]		3.5	2.3		mg/kg	SW846 6010C
Barium [a]		36.5	5.8		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium [a]		12.6	1.2		mg/kg	SW846 6010C
Lead [a]		71.7	2.3		mg/kg	SW846 6010C
Mercury [a]		0.60	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		1360	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		6.38			su	SW846 9045D
MC49976-53	PC-14 0-5'					
Lead [a]		23.9	2.2		mg/kg	SW846 6010C
MC49976-54	PC-14 5-10'					
Lead [a]		59.8	2.4		mg/kg	SW846 6010C
MC49976-55	PC-14 10-15'					
Lead [a]		2.4	2.3		mg/kg	SW846 6010C
MC49976-56	PC-14 0-15' COMP					
Acetone [c]		0.0377	0.011		mg/kg	SW846 8260C
m,p-Xylene		0.0063	0.0023		mg/kg	SW846 8260C
o-Xylene		0.0026	0.0023		mg/kg	SW846 8260C
Xylene (total)		0.0089	0.0023		mg/kg	SW846 8260C
Anthracene		0.154	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		0.384	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		0.384	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.283	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.217	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.291	0.11		mg/kg	SW846 8270D
Chrysene		0.348	0.11		mg/kg	SW846 8270D
Fluoranthene		0.882	0.11		mg/kg	SW846 8270D
Phenanthrene		0.624	0.11		mg/kg	SW846 8270D
Pyrene		0.759	0.11		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		33.3	19		mg/kg	SW846-8015
Arsenic [a]		2.5	2.4		mg/kg	SW846 6010C
Barium [a]		16.3	5.9		mg/kg	SW846 6010C
Chromium [a]		8.2	1.2		mg/kg	SW846 6010C
Lead [a]		22.8	2.4		mg/kg	SW846 6010C
Mercury [a]		0.11	0.035		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		240	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.28			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-57	PC-15 0-5'					
Lead [a]		197	2.5		mg/kg	SW846 6010C
MC49976-58	PC-15 5-10'					
Lead [a]		9.7	2.5		mg/kg	SW846 6010C
MC49976-59	PC-15 10-15'					
Lead [a]		3.2	2.2		mg/kg	SW846 6010C
MC49976-60	PC-15 0-15' COMP					
m,p Xylene		0.0045	0.0027		mg/kg	SW846 8260C
Xylene (total)		0.0063	0.0027		mg/kg	SW846 8260C
Acenaphthene		0.756	0.11		mg/kg	SW846 8270D
Anthracene		1.75	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		4.83	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		5.22	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		4.09	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		2.86	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		3.45	0.11		mg/kg	SW846 8270D
Chrysene		4.65	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.05	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.294	0.11		mg/kg	SW846 8270D
Fluoranthene		10.7	0.57		mg/kg	SW846 8270D
Fluorene		0.537	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		3.21	0.29		mg/kg	SW846 8270D
2-Methylnaphthalene		0.133	0.11		mg/kg	SW846 8270D
Naphthalene		0.158	0.11		mg/kg	SW846 8270D
Phenanthrene		7.19	0.11		mg/kg	SW846 8270D
Pyrene		10.1	0.57		mg/kg	SW846 8270D
TPH-DRO (Semi-VOA)		976	19		mg/kg	SW846-8015
Arsenic [a]		5.4	2.3		mg/kg	SW846 6010C
Barium [a]		59.1	5.9		mg/kg	SW846 6010C
Chromium [a]		20.1	1.2		mg/kg	SW846 6010C
Lead [a]		72.6	2.3		mg/kg	SW846 6010C
Mercury [a]		0.20	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		330	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.51			su	SW846 9045D

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-61	PC-16A 0-5'					
Lead [a]		1270	4.7		mg/kg	SW846 6010C
MC49976-62	PC-16B 0-5'					
Lead [a]		1190	4.8		mg/kg	SW846 6010C
MC49976-63	PC-16C 0-5'					
Lead [a]		70.0	2.5		mg/kg	SW846 6010C
MC49976-64	PC-16 0-5' COMP					
Acetone [c]		0.0587	0.012		mg/kg	SW846 8260C
Ethylbenzene		0.0240	0.0025		mg/kg	SW846 8260C
m,p-Xylene		0.121	0.0025		mg/kg	SW846 8260C
o-Xylene		0.0344	0.0025		mg/kg	SW846 8260C
Xylene (total)		0.155	0.0025		mg/kg	SW846 8260C
Benzo(a)anthracene		0.314	0.12		mg/kg	SW846 8270D
Benzo(a)pyrene		0.374	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.297	0.12		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.256	0.12		mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.295	0.12		mg/kg	SW846 8270D
Chrysene		0.349	0.12		mg/kg	SW846 8270D
Fluoranthene		0.541	0.12		mg/kg	SW846 8270D
Phenanthrene		0.409	0.12		mg/kg	SW846 8270D
Pyrene		0.528	0.12		mg/kg	SW846 8270D
TPH DRO (Semi VOA)		59.0	19		mg/kg	SW846-8015
Arsenic [a]		10.7	2.5		mg/kg	SW846 6010C
Barium [a]		131	6.1		mg/kg	SW846 6010C
Chromium [a]		25.9	1.2		mg/kg	SW846 6010C
Lead [a]		516	2.5		mg/kg	SW846 6010C
Mercury [a]		0.40	0.038		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		113	7.5		umhos/cm	SM2510B 11M/SW9050AM
pH [a]		6.22			su	SW846 9045D
MC49976-65	PC-17A 0-5'					
Lead [a]		31.4	2.2		mg/kg	SW846 6010C
MC49976-66	PC-17B 0-5'					
Lead [a]		44.1	2.2		mg/kg	SW846 6010C

Summary of Hits

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Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-67	PC-17C 0-5'					
Lead [a]		25.6	2.4		mg/kg	SW846 6010C
MC49976-68	PC-17 0-5' COMP					
Acetone [c]		0.0686	0.012		mg/kg	SW846 8260C
Naphthalene		0.0117	0.0058		mg/kg	SW846 8260C
Acenaphthene		0.713	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.140	0.11		mg/kg	SW846 8270D
Anthracene		1.43	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		3.28	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		3.40	0.29		mg/kg	SW846 8270D
Benzo(b)fluoranthene		2.73	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.72	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		2.37	0.11		mg/kg	SW846 8270D
Chrysene		3.10	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.651	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.368	0.11		mg/kg	SW846 8270D
Fluoranthene		6.60	0.11		mg/kg	SW846 8270D
Fluorene		0.575	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1.88	0.29		mg/kg	SW846 8270D
2-Methylnaphthalene		0.218	0.11		mg/kg	SW846 8270D
Naphthalene		0.264	0.11		mg/kg	SW846 8270D
Phenanthrene		5.65	0.11		mg/kg	SW846 8270D
Pyrene		6.29	0.11		mg/kg	SW846 8270D
4,4'-DDT		0.0082	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		183	18		mg/kg	SW846-8015
Arsenic [a]		6.1	2.3		mg/kg	SW846 6010C
Barium [a]		36.9	5.8		mg/kg	SW846 6010C
Chromium [a]		14.6	1.2		mg/kg	SW846 6010C
Lead [a]		53.6	2.3		mg/kg	SW846 6010C
Mercury [a]		0.11	0.039		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		157	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		6.89			su	SW846 9045D
MC49976-69	PC-18A 0-5'					
Lead [a]		62.9	2.4		mg/kg	SW846 6010C
MC49976-70	PC-18B 0-5'					
Lead [a]		293	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
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Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-71	PC-18C 0-5'					
Lead [a]		64.6	2.4		mg/kg	SW846 6010C
MC49976-72	PC-18 0-5' COMP					
Naphthalene		0.0093	0.0055		mg/kg	SW846 8260C
Acenaphthene		1.31	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.577	0.11		mg/kg	SW846 8270D
Anthracene		4.08	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		7.62	0.11		mg/kg	SW846 8270D
Benzo(a)pyrene		7.01	0.27		mg/kg	SW846 8270D
Benzo(b)fluoranthene		6.39	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		3.25	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		4.81	0.11		mg/kg	SW846 8270D
Chrysene		6.88	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.25	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.959	0.11		mg/kg	SW846 8270D
Fluoranthene		19.1	0.55		mg/kg	SW846 8270D
Fluorene		1.51	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		3.74	0.27		mg/kg	SW846 8270D
2-Methylnaphthalene		0.384	0.11		mg/kg	SW846 8270D
Naphthalene		0.802	0.11		mg/kg	SW846 8270D
Phenanthrene		14.9	0.55		mg/kg	SW846 8270D
Pyrene		15.7	0.55		mg/kg	SW846 8270D
4,4'-DDT		0.0163	0.0056		mg/kg	SW846 8081B
TPH-DRO (Semi-VOA)		311	18		mg/kg	SW846-8015
Arsenic [a]		7.0	2.3		mg/kg	SW846 6010C
Barium [a]		103	5.7		mg/kg	SW846 6010C
Chromium [a]		11.3	1.1		mg/kg	SW846 6010C
Lead [a]		96.2	2.3		mg/kg	SW846 6010C
Mercury [a]		0.038	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		326	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.77			su	SW846 9045D
MC49976-73	PC-19A 0-5'					
Lead [a]		85.4	2.3		mg/kg	SW846 6010C
MC49976-74	PC-19B 0-5'					
Lead [a]		471	2.4		mg/kg	SW846 6010C

Summary of Hits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC49976-75	PC-19C 0-5'					
Lead [a]		320	2.4		mg/kg	SW846 6010C
MC49976-76	PC-19 0-5' COMP					
Naphthalene		0.0085	0.0044		mg/kg	SW846 8260C
Acenaphthene		1.23	0.11		mg/kg	SW846 8270D
Acenaphthylene		0.756	0.11		mg/kg	SW846 8270D
Anthracene		3.72	0.11		mg/kg	SW846 8270D
Benzo(a)anthracene		9.24	0.55		mg/kg	SW846 8270D
Benzo(a)pyrene		8.73	0.28		mg/kg	SW846 8270D
Benzo(b)fluoranthene		8.46	0.11		mg/kg	SW846 8270D
Benzo(g,h,i)perylene		4.18	0.11		mg/kg	SW846 8270D
Benzo(k)fluoranthene		5.11	0.11		mg/kg	SW846 8270D
Chrysene		8.49	0.11		mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.53	0.11		mg/kg	SW846 8270D
Dibenzofuran		0.674	0.11		mg/kg	SW846 8270D
Fluoranthene		20.6	0.55		mg/kg	SW846 8270D
Fluorene		1.28	0.11		mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		4.71	0.28		mg/kg	SW846 8270D
2-Methylnaphthalene		0.280	0.11		mg/kg	SW846 8270D
Naphthalene		0.491	0.11		mg/kg	SW846 8270D
Phenanthrene		13.2	0.55		mg/kg	SW846 8270D
Pyrene		17.9	0.55		mg/kg	SW846 8270D
4,4'-DDT		0.0149	0.0055		mg/kg	SW846 8081B
Aroclor 1254		0.0319	0.027		mg/kg	SW846 8082A
TPH DRO (Semi VOA)		345	18		mg/kg	SW846 8015
Arsenic [a]		5.4	2.2		mg/kg	SW846 6010C
Barium [a]		31.9	5.5		mg/kg	SW846 6010C
Chromium [a]		11.9	1.1		mg/kg	SW846 6010C
Lead [a]		151	2.2		mg/kg	SW846 6010C
Mercury [a]		0.13	0.036		mg/kg	SW846 7471B
Ignitability (Flashpoint) [a]		>200			Deg. F	SW846 1010A/ASTM D93
Specific Conductivity [a]		186	7.5		umhos/cm	SM2510B-11M/SW9050AM
pH [a]		7.96			su	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(c) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PC-1 0-5'		
Lab Sample ID:	MC49976 1	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.1

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	86.9	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-1 5-10'		
Lab Sample ID:	MC49976 2	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	90.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.2

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	17.7	2.1	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-1 10-15'		
Lab Sample ID:	MC49976-3	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	79.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	9.6	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83289.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2							

	Initial Weight	Final Volume
Run #1	5.22 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	0.0542	0.011	mg/kg	
71-43-2	Benzene	ND	0.00056	mg/kg	
108-86-1	Bromobenzene	ND	0.0056	mg/kg	
74-97-5	Bromochloromethane	ND	0.0056	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0056	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0056	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0056	mg/kg	
75-15-0	Carbon disulfide	ND	0.0056	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0056	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0056	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0056	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0056	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0056	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0022	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976 4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142 28 9	1,3-Dichloropropane	ND	0.0056	mg/kg	
594 20 7	2,2-Dichloropropane	ND	0.0056	mg/kg	
563 58 6	1,1-Dichloropropene	ND	0.0056	mg/kg	
10061 01 5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061 02 6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123 91 1	1,4-Dioxane	ND	0.14	mg/kg	
60 29 7	Ethyl Ether	ND	0.0056	mg/kg	
100 41 4	Ethylbenzene	ND	0.0022	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0056	mg/kg	
591 78 6	2-Hexanone	ND	0.0056	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0056	mg/kg	
99 87 6	p-Isopropyltoluene	ND	0.0056	mg/kg	
1634 04 4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108 10 1	4-Methyl-2-pentanone (MIBK)	ND	0.0056	mg/kg	
74 95 3	Methylene bromide	ND	0.0056	mg/kg	
75 09 2	Methylene chloride	ND	0.0022	mg/kg	
91 20 3	Naphthalene	0.0162	0.0056	mg/kg	
103 65 1	n Propylbenzene	ND	0.0056	mg/kg	
100 42 5	Styrene	ND	0.0056	mg/kg	
994 05 8	tert-Amyl Methyl Ether	ND	0.0056	mg/kg	
637 92 3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0022	mg/kg	
79 34 5	1,1,2,2-Tetrachloroethane	ND	0.0056	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0022	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.011	mg/kg	
108 88 3	Toluene	ND	0.0056	mg/kg	
87 61 6	1,2,3-Trichlorobenzene	ND	0.0056	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.0056	mg/kg	
71 55 6	1,1,1 Trichloroethane	ND	0.0022	mg/kg	
79 00 5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79 01 6	Trichloroethene	ND	0.0022	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96 18 4	1,2,3 Trichloropropane	ND	0.0056	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0056	mg/kg	
108 67 8	1,3,5 Trimethylbenzene	ND	0.0056	mg/kg	
75 01 4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0022	mg/kg	
95 47 6	o-Xylene	ND	0.0022	mg/kg	
1330 20 7	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	131%		65 141%
2037 26 5	Toluene D8	103%		65 129%
460 00 4	4 Bromofluorobenzene	107%		63 137%

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-1 0-15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51603.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51624.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2	20.7 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95 57 8	2 Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100 02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95 95 4	2,4,5 Trichlorophenol	ND	0.57	mg/kg	
88 06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	1.10	0.11	mg/kg	
208-96-8	Acenaphthylene	0.705	0.11	mg/kg	
98 86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	5.00	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	11.6 [b]	0.57	mg/kg	
50-32-8	Benzo(a)pyrene	9.02	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	9.00	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	4.92	0.11	mg/kg	
207-08 9	Benzo(k)fluoranthene	5.68	0.11	mg/kg	
101-55 3	4 Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58 7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	10.2 [b]	0.57	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-1 0 15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95 50 1	1,2 Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	2.06	0.11	mg/kg	
132-64-9	Dibenzofuran	1.06	0.11	mg/kg	
84 74 2	Di n butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	27.8 [b]	0.57	mg/kg	
86-73-7	Fluorene	1.71	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193 39 5	Indeno(1,2,3 cd)pyrene	5.73	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	0.249	0.11	mg/kg	
91-20-3	Naphthalene	0.517	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	20.8 [b]	0.57	mg/kg	
129-00-0	Pyrene	21.9 [b]	0.57	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%	85%	25-109%
4165-62-2	Phenol-d5	84%	91%	29-113%
118-79 6	2,4,6-Tribromophenol	89%	93%	20-141%
4165-60-0	Nitrobenzene-d5	75%	81%	27-115%
321-60-8	2-Fluorobiphenyl	82%	86%	34-118%
1718-51-0	Terphenyl-d14	91%	99%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976 4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976 4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79854.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.8 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-1 0-15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54522.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha BHC	ND	0.0056	mg/kg	
319-85-7	beta BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	ND	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	48%		10-143%
877-09-8	Tetrachloro-m-xylene	64%		10-143%
2051-24-3	Decachlorobiphenyl	59%		10-172%
2051-24-3	Decachlorobiphenyl	150%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-1 0-15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65073.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		25-145%
877-09-8	Tetrachloro-m-xylene	57%		25-145%
2051-24-3	Decachlorobiphenyl	85%		25-179%
2051-24-3	Decachlorobiphenyl	68%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976 4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	85.5
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	OA125178.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:GOA4283
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0037	mg/kg	
93-76 5	2,4,5-T	ND	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28 9	2,4-DCAA	87%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976 4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4499.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	197	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 1 0 15' COMP		
Lab Sample ID:	MC49976-4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	3.2	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	54.1	5.8	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.58	0.58	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	23.9	1.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	46.3	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	<0.036	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.3	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	0.96	0.58	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-1 0-15' COMP		
Lab Sample ID:	MC49976 4	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:17	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/04/17 16:00	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	85.5		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	195	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.56		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-2 0-5'		
Lab Sample ID:	MC49976 5	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	23.9	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-2 5-10'		
Lab Sample ID:	MC49976 6	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	86.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	6.4	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 2 10 15'		
Lab Sample ID:	MC49976-7	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	80.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	11.2	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83290.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2 [a]	M83297.D	1	03/30/17	DRY	n/a	n/a	MSM3002

	Initial Weight	Final Volume
Run #1	5.32 g	5.0 ml
Run #2	5.89 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0284	0.012	mg/kg	
71-43-2	Benzene	ND	0.00058	mg/kg	
108 86 1	Bromobenzene	ND	0.0058	mg/kg	
74 97 5	Bromochloromethane	ND	0.0058	mg/kg	
75 27 4	Bromodichloromethane	ND	0.0023	mg/kg	
75 25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104 51 8	n Butylbenzene	ND	0.0058	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0058	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0058	mg/kg	
75 15 0	Carbon disulfide	ND	0.0058	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108 90 7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0058	mg/kg	
95 49 8	o Chlorotoluene	ND	0.0058	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0058	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0058	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0058	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107 06-2	1,2 Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156 60 5	trans 1,2 Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976 8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0058	mg/kg	
594 20 7	2,2 Dichloropropane	ND	0.0058	mg/kg	
563 58 6	1,1 Dichloropropene	ND	0.0058	mg/kg	
10061 01 5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061 02 6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123 91 1	1,4-Dioxane	ND	0.14	mg/kg	
60 29 7	Ethyl Ether	ND	0.0058	mg/kg	
100 41 4	Ethylbenzene	ND	0.0023	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0058	mg/kg	
591 78 6	2-Hexanone	ND	0.0058	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0058	mg/kg	
99 87 6	p-Isopropyltoluene	ND	0.0058	mg/kg	
1634 04 4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108 10 1	4-Methyl-2-pentanone (MIBK)	ND	0.0058	mg/kg	
74 95 3	Methylene bromide	ND	0.0058	mg/kg	
75 09 2	Methylene chloride	ND	0.0023	mg/kg	
91 20 3	Naphthalene	ND	0.0058	mg/kg	
103 65 1	n-Propylbenzene	ND	0.0058	mg/kg	
100 42 5	Styrene	ND	0.0058	mg/kg	
994 05 8	tert-Amyl Methyl Ether	ND	0.0058	mg/kg	
637 92 3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630 20 6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79 34 5	1,1,2,2-Tetrachloroethane	ND	0.0058	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0023	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.012	mg/kg	
108 88 3	Toluene	ND	0.0058	mg/kg	
87 61 6	1,2,3-Trichlorobenzene	ND	0.0058	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.0058	mg/kg	
71 55 6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79 00 5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79 01 6	Trichloroethene	ND	0.0023	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96 18 4	1,2,3-Trichloropropane	ND	0.0058	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0058	mg/kg	
108 67 8	1,3,5-Trimethylbenzene	ND	0.0058	mg/kg	
75 01 4	Vinyl chloride	ND	0.012	mg/kg	
	m,p-Xylene	ND	0.0023	mg/kg	
95 47 6	o-Xylene	ND	0.0023	mg/kg	
1330 20 7	Xylene (total)	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976 8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	131%	130%	65-141%
2037-26-5	Toluene-D8	103%	103%	65-129%
460 00 4	4-Bromofluorobenzene	111%	121%	63-137%

(a) Confirmation run.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51604.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.59	mg/kg	
95-48-7	2-Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87-86-5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120-12-7	Anthracene	0.209	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.628	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.580	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.436	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.361	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.500	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.542	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2 Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3' Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	1.27	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.394	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	0.781	0.12	mg/kg	
129-00-0	Pyrene	1.17	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%		25-109%
4165-62-2	Phenol-d5	85%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene-d5	78%		27-115%
321-60-8	2-Fluorobiphenyl	85%		34-118%
1718-51-0	Terphenyl-d14	97%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.8

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79861.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	101%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54523.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0060	mg/kg	
319-84-6	alpha-BHC	ND	0.0060	mg/kg	
319-85-7	beta-BHC	ND	0.0060	mg/kg	
319-86-8	delta-BHC	ND	0.0060	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.060	mg/kg	
60-57-1	Dieldrin	ND	0.0060	mg/kg	
72-54-8	4,4'-DDD	ND	0.0060	mg/kg	
72-55-9	4,4'-DDE	ND	0.0060	mg/kg	
50-29-3	4,4'-DDT	ND	0.0060	mg/kg	
72-20-8	Endrin	ND	0.0060	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0060	mg/kg	
959-98-8	Endosulfan-I	ND	0.0060	mg/kg	
33213-65-9	Endosulfan II	ND	0.0060	mg/kg	
76-44-8	Heptachlor	ND	0.0060	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0060	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0060	mg/kg	
72-43-5	Methoxychlor	ND	0.0060	mg/kg	
53494-70-5	Endrin ketone	ND	0.0060	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		10-143%
877-09-8	Tetrachloro-m-xylene	73%		10-143%
2051-24-3	Decachlorobiphenyl	61%		10-172%
2051-24-3	Decachlorobiphenyl	88%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65074.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.030	mg/kg	
11141-16-5	Aroclor 1232	ND	0.030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.030	mg/kg	
12672-29-6	Aroclor 1248	ND	0.030	mg/kg	
11097-69-1	Aroclor 1254	ND	0.030	mg/kg	
11096-82-5	Aroclor 1260	ND	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		25-145%
877-09-8	Tetrachloro-m-xylene	77%		25-145%
2051-24-3	Decachlorobiphenyl	93%		25-179%
2051-24-3	Decachlorobiphenyl	82%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976 8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8151 SW846 8151/3550C	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125122.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:GOA4281
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	86%		10-159%
		122%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976 8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4493.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	26.5	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-2 0-15' COMP		
Lab Sample ID:	MC49976-8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	5.8	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	31.9	6.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	< 0.63	0.63	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	18.5	1.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	8.7	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	< 0.040	0.040	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	< 2.5	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	0.71	0.63	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 2 0 15' COMP		
Lab Sample ID:	MC49976 8	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.8

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	< 12	12	mg/kg	1	04/03/17 12:18	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	> 200		Deg. F	1	04/04/17 16:00	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	81.4		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	144	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	< 120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.60		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 3 0 5'		
Lab Sample ID:	MC49976 9	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	86.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	20.1	2.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC-3 5-10'		
Lab Sample ID:	MC49976-10	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.10

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	8.6	2.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 3 10 15'		
Lab Sample ID:	MC49976-11	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	77.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.11

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	11.3	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 3 0-15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83291.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2 [a]	M83296.D	1	03/30/17	DRY	n/a	n/a	MSM3002

	Initial Weight	Final Volume
Run #1	5.77 g	5.0 ml
Run #2	5.20 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0407	0.010	mg/kg	
71-43-2	Benzene	ND	0.00052	mg/kg	
108-86-1	Bromobenzene	ND	0.0052	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	mg/kg	
75 25-2	Bromoform	ND	0.0021	mg/kg	
74-83-9	Bromomethane	ND	0.010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0052	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0052	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0052	mg/kg	
75-15-0	Carbon disulfide	ND	0.0052	mg/kg	
56 23-5	Carbon tetrachloride	ND	0.0021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	mg/kg	
75-00-3	Chloroethane	ND	0.010	mg/kg	
67-66-3	Chloroform	ND	0.0021	mg/kg	
74-87-3	Chloromethane	ND	0.0052	mg/kg	
95 49-8	o Chlorotoluene	ND	0.0052	mg/kg	
106 43 4	p-Chlorotoluene	ND	0.0052	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0052	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0052	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0021	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0021	mg/kg	
156 59-2	cis 1,2 Dichloroethene	ND	0.0021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87-5	1,2-Dichloropropane	ND	0.0021	mg/kg	
142-28 9	1,3-Dichloropropane	ND	0.0052	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0052	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	mg/kg	
10061 02 6	trans 1,3 Dichloropropene	ND	0.0021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60 29-7	Ethyl Ether	ND	0.0052	mg/kg	
100-41-4	Ethylbenzene	0.0027	0.0021	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0052	mg/kg	
591-78 6	2-Hexanone	ND	0.0052	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0052	mg/kg	
99 87-6	p Isopropyltoluene	ND	0.0052	mg/kg	
1634-04 4	Methyl Tert Butyl Ether	ND	0.0021	mg/kg	
108 10 1	4 Methyl 2 pentanone (MIBK)	ND	0.0052	mg/kg	
74 95 3	Methylene bromide	ND	0.0052	mg/kg	
75 09 2	Methylene chloride	ND	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0052	mg/kg	
103 65 1	n Propylbenzene	ND	0.0052	mg/kg	
100-42 5	Styrene	ND	0.0052	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0052	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0021	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0052	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0021	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.010	mg/kg	
108 88 3	Toluene	ND	0.0052	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	mg/kg	
120 82-1	1,2,4-Trichlorobenzene	ND	0.0052	mg/kg	
71-55 6	1,1,1-Trichloroethane	ND	0.0021	mg/kg	
79 00 5	1,1,2 Trichloroethane	ND	0.0021	mg/kg	
79 01-6	Trichloroethene	ND	0.0021	mg/kg	
75 69-4	Trichlorofluoromethane	ND	0.0021	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0052	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0052	mg/kg	
108 67-8	1,3,5-Trimethylbenzene	ND	0.0052	mg/kg	
75 01-4	Vinyl chloride	ND	0.010	mg/kg	
	m,p Xylene	0.0144	0.0021	mg/kg	
95 47 6	o Xylene	0.0067	0.0021	mg/kg	
1330 20 7	Xylene (total)	0.0211	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976 12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	133%	133%	65-141%
2037-26-5	Toluene-D8	104%	111%	65-129%
460-00-4	4-Bromofluorobenzene	124%	121%	63-137%

(a) Confirmation run.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51605.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4 Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95 95 4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88 06 2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208 96 8	Acenaphthylene	0.127	0.11	mg/kg	
98 86 2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120 12 7	Anthracene	0.300	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	1.31	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	1.27	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.944	0.11	mg/kg	
191 24 2	Benzo(g,h,i)perylene	0.709	0.11	mg/kg	
207 08 9	Benzo(k)fluoranthene	0.939	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218 01-9	Chrysene	1.13	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976 12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66 7	1,2 Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46 7	1,4 Dichlorobenzene	ND	0.29	mg/kg	
121 14 2	2,4 Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.191	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206 44 0	Fluoranthene	2.43	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118 74 1	Hexachlorobenzene	ND	0.29	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.29	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.762	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85 01 8	Phenanthrene	1.04	0.11	mg/kg	
129-00-0	Pyrene	2.49	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%		25-109%
4165-62-2	Phenol-d5	82%		29-113%
118-79-6	2,4,6-Tribromophenol	83%		20-141%
4165-60-0	Nitrobenzene-d5	77%		27-115%
321-60-8	2-Fluorobiphenyl	79%		34-118%
1718 51 0	Terphenyl d14	91%		42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976 12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	84.1
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79862.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.58 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	101%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-3 0-15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54524.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	ND	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		10-143%
877-09-8	Tetrachloro-m-xylene	82%		10-143%
2051-24-3	Decachlorobiphenyl	62%		10-172%
2051-24-3	Decachlorobiphenyl	122%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-3 0-15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65075.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25-145%
877-09-8	Tetrachloro-m-xylene	73%		25-145%
2051-24-3	Decachlorobiphenyl	95%		25-179%
2051-24-3	Decachlorobiphenyl	80%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-3 0-15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8151 SW846 3546	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125179.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:GOA4283
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	73%		10-159%
19719-28-9	2,4-DCAA	64%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-3 0-15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4502.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	135	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 3 0 15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.12
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	7.1	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	66.6	5.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	< 0.57	0.57	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	27.1	1.1	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	44.7	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	< 0.039	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	< 2.3	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	0.85	0.57	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-3 0-15' COMP		
Lab Sample ID:	MC49976-12	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.12
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	< 12	12	mg/kg	1	04/03/17 12:20	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	> 200		Deg. F	1	04/04/17 16:00	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	84.1		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	241	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	< 120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	8.72		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 4 0 5'		
Lab Sample ID:	MC49976 13	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	89.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.13

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	99.9	2.2	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 4 5 10'		
Lab Sample ID:	MC49976-14	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	80.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.14

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	22.7	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 4 10 15'		
Lab Sample ID:	MC49976-15	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	70.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	16.8	2.8	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83295.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2 [a]	M83292.D	1	03/30/17	DRY	n/a	n/a	MSM3002

	Initial Weight	Final Volume
Run #1	4.76 g	5.0 ml
Run #2	5.32 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0800	0.013	mg/kg	
71-43-2	Benzene	ND	0.00067	mg/kg	
108-86-1	Bromobenzene	ND	0.0067	mg/kg	
74 97 5	Bromochloromethane	ND	0.0067	mg/kg	
75 27 4	Bromodichloromethane	ND	0.0027	mg/kg	
75-25-2	Bromoform	ND	0.0027	mg/kg	
74-83-9	Bromomethane	ND	0.013	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0067	mg/kg	
135 98 8	sec Butylbenzene	ND	0.0067	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0067	mg/kg	
75-15-0	Carbon disulfide	ND	0.0067	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0027	mg/kg	
108 90-7	Chlorobenzene	ND	0.0027	mg/kg	
75-00-3	Chloroethane	ND	0.013	mg/kg	
67-66-3	Chloroform	ND	0.0027	mg/kg	
74-87-3	Chloromethane	ND	0.0067	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0067	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0067	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0067	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0067	mg/kg	
106 93 4	1,2 Dibromoethane	ND	0.0027	mg/kg	
95 50 1	1,2 Dichlorobenzene	ND	0.0027	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0027	mg/kg	
106 46 7	1,4 Dichlorobenzene	ND	0.0027	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0067	mg/kg	
75 34 3	1,1 Dichloroethane	ND	0.0027	mg/kg	
107 06 2	1,2 Dichloroethane	ND	0.0027	mg/kg	
75 35 4	1,1 Dichloroethene	ND	0.0027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0027	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0027	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0067	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0067	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0067	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0027	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0027	mg/kg	
123-91-1	1,4-Dioxane	ND	0.17	mg/kg	
60-29-7	Ethyl Ether	ND	0.0067	mg/kg	
100-41-4	Ethylbenzene	ND	0.0027	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0067	mg/kg	
591-78-6	2-Hexanone	ND	0.0067	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0067	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0067	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0027	mg/kg	
108-10-1	4 Methyl 2 pentanone (MIBK)	ND	0.0067	mg/kg	
74-95-3	Methylene bromide	ND	0.0067	mg/kg	
75-09-2	Methylene chloride	ND	0.0027	mg/kg	
91-20-3	Naphthalene	ND	0.0067	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0067	mg/kg	
100-42-5	Styrene	ND	0.0067	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0067	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0027	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0027	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0067	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0027	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.013	mg/kg	
108-88-3	Toluene	ND	0.0067	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0067	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0067	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0027	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0027	mg/kg	
79-01-6	Trichloroethene	ND	0.0027	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0027	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0067	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0067	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0067	mg/kg	
75-01-4	Vinyl chloride	ND	0.013	mg/kg	
	m,p-Xylene	ND	0.0027	mg/kg	
95-47-6	o-Xylene	ND	0.0027	mg/kg	
1330-20-7	Xylene (total)	ND	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP		
Lab Sample ID:	MC49976-16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	128%	136%	65-141%
2037-26-5	Toluene-D8	106%	106%	65-129%
460-00-4	4-Bromofluorobenzene	102%	101%	63-137%

(a) Confirmation run.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 4 0 15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51606.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51625.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2	20.9 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.61	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.61	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.61	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.61	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.61	mg/kg	
95-48-7	2-Methylphenol	ND	0.61	mg/kg	
	3&4-Methylphenol	ND	0.61	mg/kg	
88-75-5	2-Nitrophenol	ND	0.61	mg/kg	
100-02-7	4-Nitrophenol	ND	0.61	mg/kg	
87-86-5	Pentachlorophenol	ND	0.61	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.61	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.61	mg/kg	
83-32-9	Acenaphthene	0.907	0.12	mg/kg	
208-96-8	Acenaphthylene	2.65	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.61	mg/kg	
62-53-3	Aniline	ND	0.61	mg/kg	
120-12-7	Anthracene	5.50	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	10.8 [b]	0.61	mg/kg	
50-32-8	Benzo(a)pyrene	7.70	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	7.33	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.81	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	5.68	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.61	mg/kg	
218-01-9	Chrysene	10.0 [b]	0.61	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 4 0-15' COMP		
Lab Sample ID:	MC49976-16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.61	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.61	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.61	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.57	0.12	mg/kg	
132-64-9	Dibenzofuran	2.12	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	29.4 [b]	0.61	mg/kg	
86-73-7	Fluorene	4.59	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.61	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.71	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	0.463	0.12	mg/kg	
91-20-3	Naphthalene	0.259	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	33.5 [b]	0.61	mg/kg	
129-00-0	Pyrene	23.0 [b]	0.61	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%	76%	25-109%
4165-62-2	Phenol-d5	79%	74%	29-113%
118-79-6	2,4,6-Tribromophenol	87%	86%	20-141%
4165-60-0	Nitrobenzene-d5	73%	71%	27-115%
321-60-8	2-Fluorobiphenyl	79%	81%	34-118%
1718-51-0	Terphenyl-d14	89%	89%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79863.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.57 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	8.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	101%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54525.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0061	mg/kg	
319-84-6	alpha BHC	ND	0.0061	mg/kg	
319-85-7	beta BHC	ND	0.0061	mg/kg	
319-86-8	delta-BHC	ND	0.0061	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.061	mg/kg	
60-57-1	Dieldrin	ND	0.0061	mg/kg	
72-54-8	4,4'-DDD	ND	0.0061	mg/kg	
72-55-9	4,4' DDE	ND	0.0061	mg/kg	
50-29-3	4,4' DDT	0.0103	0.0061	mg/kg	
72-20-8	Endrin	ND	0.0061	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0061	mg/kg	
959-98-8	Endosulfan I	ND	0.0061	mg/kg	
33213-65-9	Endosulfan II	ND	0.0061	mg/kg	
76-44-8	Heptachlor	ND	0.0061	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0061	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0061	mg/kg	
72-43-5	Methoxychlor	ND	0.0061	mg/kg	
53494-70-5	Endrin ketone	ND	0.0061	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		10-143%
877-09-8	Tetrachloro-m-xylene	65%		10-143%
2051-24-3	Decachlorobiphenyl	54%		10-172%
2051-24-3	Decachlorobiphenyl	218% [a]		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65076.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.8 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.031	mg/kg	
11104-28-2	Aroclor 1221	ND	0.031	mg/kg	
11141-16-5	Aroclor 1232	ND	0.031	mg/kg	
53469-21-9	Aroclor 1242	ND	0.031	mg/kg	
12672-29-6	Aroclor 1248	ND	0.031	mg/kg	
11097-69-1	Aroclor 1254	ND	0.031	mg/kg	
11096-82-5	Aroclor 1260	ND	0.031	mg/kg	
37324-23-5	Aroclor 1262	ND	0.031	mg/kg	
11100-14-4	Aroclor 1268	ND	0.031	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		25-145%
877-09-8	Tetrachloro-m-xylene	57%		25-145%
2051-24-3	Decachlorobiphenyl	96%		25-179%
2051-24-3	Decachlorobiphenyl	79%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8151 SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125180.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:GOA4283
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0041	mg/kg	
93-76-5	2,4,5-T	ND	0.0041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	80%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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SGS Accutest LabLink@11:46 11 Apr 2017

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976 16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4501.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	207	20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	115%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976-16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	10.4	2.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	100	6.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.67	0.67	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	36.6	1.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	63.5	2.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	0.058	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.7	2.7	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	0.75	0.67	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-4 0-15' COMP		
Lab Sample ID:	MC49976-16	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	78.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<12	12	mg/kg	1	04/03/17 12:21	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/AS1M D93
Solids, Percent [a]	78.7		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	367	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	8.10		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 5 0 5		
Lab Sample ID:	MC49976 17	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
		Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	128	2.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-5 5-10'		
Lab Sample ID:	MC49976 18	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	79.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	13.2	2.5	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 5 10 15'		
Lab Sample ID:	MC49976-19	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	16.9	2.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99632

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83293.D	1	03/30/17	DRY	n/a	n/a	MSM3002
Run #2							

	Initial Weight	Final Volume
Run #1	5.48 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	0.0375	0.012	mg/kg	
71-43-2	Benzene	ND	0.00058	mg/kg	
108-86-1	Bromobenzene	ND	0.0058	mg/kg	
74 97-5	Bromochloromethane	ND	0.0058	mg/kg	
75 27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78 93 3	2 Butanone (MEK)	ND	0.012	mg/kg	
104 51 8	n-Butylbenzene	ND	0.0058	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0058	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0058	mg/kg	
75-15-0	Carbon disulfide	ND	0.0058	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0023	mg/kg	
108 90 7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0058	mg/kg	
95 49 8	o Chlorotoluene	ND	0.0058	mg/kg	
106 43 4	p Chlorotoluene	ND	0.0058	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0058	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0058	mg/kg	
106 93 4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95 50 1	1,2 Dichlorobenzene	ND	0.0023	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0023	mg/kg	
106 46-7	1,4 Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	mg/kg	
75 34 3	1,1 Dichloroethane	ND	0.0023	mg/kg	
107 06-2	1,2 Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156-60 5	trans 1,2 Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0058	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0058	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0058	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0058	mg/kg	
100-41-4	Ethylbenzene	0.0031	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0058	mg/kg	
591-78-6	2-Hexanone	ND	0.0058	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0058	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0058	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0058	mg/kg	
74-95-3	Methylene bromide	ND	0.0058	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0058	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0058	mg/kg	
100-42-5	Styrene	ND	0.0058	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0058	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0058	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0058	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0058	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0058	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0058	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0058	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0058	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
	m,p-Xylene	0.0159	0.0023	mg/kg	
95-47-6	o-Xylene	0.0066	0.0023	mg/kg	
1330-20-7	Xylene (total)	0.0225	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	136%		65-141%
2037-26-5	Toluene-D8	114%		65-129%
460-00-4	4-Bromofluorobenzene	107%		63-137%

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51607.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	21.0 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.60	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.60	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.60	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.60	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.60	mg/kg	
95-48-7	2-Methylphenol	ND	0.60	mg/kg	
	3&4-Methylphenol	ND	0.60	mg/kg	
88-75-5	2-Nitrophenol	ND	0.60	mg/kg	
100-02-7	4-Nitrophenol	ND	0.60	mg/kg	
87-86-5	Pentachlorophenol	ND	0.60	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.60	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.60	mg/kg	
83-32-9	Acenaphthene	0.184	0.12	mg/kg	
208-96-8	Acenaphthylene	0.485	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.60	mg/kg	
62-53-3	Aniline	ND	0.60	mg/kg	
120-12-7	Anthracene	0.529	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	2.17	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	2.04	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.74	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.24	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.74	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.30	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.60	mg/kg	
218-01-9	Chrysene	2.16	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.30	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.60	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.60	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.60	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.426	0.12	mg/kg	
132-64-9	Dibenzofuran	0.128	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	4.11	0.12	mg/kg	
86-73-7	Fluorene	0.194	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.60	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.39	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.30	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	2.40	0.12	mg/kg	
129-00-0	Pyrene	3.91	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		25-109%
4165-62-2	Phenol-d5	81%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene-d5	73%		27-115%
321-60-8	2-Fluorobiphenyl	83%		34-118%
1718-51-0	Terphenyl-d14	96%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.20

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79864.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.44 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	8.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	103%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54526.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0062	mg/kg	
319-84-6	alpha-BHC	ND	0.0062	mg/kg	
319-85-7	beta-BHC	ND	0.0062	mg/kg	
319-86-8	delta-BHC	ND	0.0062	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.062	mg/kg	
60-57-1	Dieldrin	ND	0.0062	mg/kg	
72-54-8	4,4'-DDD	ND	0.0062	mg/kg	
72-55-9	4,4'-DDE	ND	0.0062	mg/kg	
50-29-3	4,4'-DDT	ND	0.0062	mg/kg	
72-20-8	Endrin	ND	0.0062	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0062	mg/kg	
959-98-8	Endosulfan I	ND	0.0062	mg/kg	
33213-65-9	Endosulfan II	ND	0.0062	mg/kg	
76-44-8	Heptachlor	ND	0.0062	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0062	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0062	mg/kg	
72-43-5	Methoxychlor	ND	0.0062	mg/kg	
53494-70-5	Endrin ketone	ND	0.0062	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-143%
877-09-8	Tetrachloro-m-xylene	71%		10-143%
2051-24-3	Decachlorobiphenyl	62%		10-172%
2051-24-3	Decachlorobiphenyl	142%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.20 4

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65077.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.031	mg/kg	
11104-28-2	Aroclor 1221	ND	0.031	mg/kg	
11141-16-5	Aroclor 1232	ND	0.031	mg/kg	
53469-21-9	Aroclor 1242	ND	0.031	mg/kg	
12672-29-6	Aroclor 1248	ND	0.031	mg/kg	
11097-69-1	Aroclor 1254	ND	0.031	mg/kg	
11096-82-5	Aroclor 1260	ND	0.031	mg/kg	
37324-23-5	Aroclor 1262	ND	0.031	mg/kg	
11100-14-4	Aroclor 1268	ND	0.031	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		25-145%
877-09-8	Tetrachloro-m-xylene	63%		25-145%
2051-24-3	Decachlorobiphenyl	86%		25-179%
2051-24-3	Decachlorobiphenyl	76%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.20 4

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8151 SW846 8151/3550C	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125128.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:GOA4281
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	90%		10-159%
19719-28-9	2,4-DCAA	60%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-5 0-15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4494.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	58.4	20	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.20
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	12.4	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	103	6.4	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.64	0.64	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	40.6	1.3	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	56.6	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	0.51	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.6	2.6	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	<0.64	0.64	mg/kg	1	04/01/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99632
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 5 0 15' COMP		
Lab Sample ID:	MC49976-20	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	79.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.20
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<12	12	mg/kg	1	04/03/17 12:22	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	79		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	812	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.88		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-6 0-5'		
Lab Sample ID:	MC49976-21	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.21

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	67.4	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-6 5-10'		
Lab Sample ID:	MC49976-22	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	93.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.22

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	2.5	2.0	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 6 10 15'		
Lab Sample ID:	MC49976-23	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.23

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	10	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976-24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83354.D	1	04/04/17	DRY	n/a	n/a	MSM3005
Run #2							

	Initial Weight	Final Volume
Run #1	5.31 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.011	mg/kg	
71-43-2	Benzene	ND	0.00054	mg/kg	
108-86-1	Bromobenzene	ND	0.0054	mg/kg	
74 97 5	Bromochloromethane	ND	0.0054	mg/kg	
75 27 4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0054	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0054	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0054	mg/kg	
75-15-0	Carbon disulfide	ND	0.0054	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108 90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87 3	Chloromethane	ND	0.0054	mg/kg	
95 49 8	o-Chlorotoluene	ND	0.0054	mg/kg	
106-43 4	p Chlorotoluene	ND	0.0054	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0054	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0054	mg/kg	
106 93 4	1,2 Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106 46 7	1,4 Dichlorobenzene	ND	0.0022	mg/kg	
75 71 8	Dichlorodifluoromethane [a]	ND	0.0054	mg/kg	
75-34 3	1,1 Dichloroethane	ND	0.0022	mg/kg	
107 06 2	1,2 Dichloroethane	ND	0.0022	mg/kg	
75 35 4	1,1 Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156 60-5	trans 1,2 Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24
4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0054	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0054	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0054	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60-29-7	Ethyl Ether	ND	0.0054	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0054	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0054	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0054	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0054	mg/kg	
74-95-3	Methylene bromide	ND	0.0054	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	0.0339	0.0054	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0054	mg/kg	
100-42-5	Styrene	ND	0.0054	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0054	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0054	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0054	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0054	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0054	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0022	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24
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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	141%		65-141%
2037-26-5	Toluene-D8	108%		65-129%
460-00-4	4-Bromofluorobenzene	102%		63-137%

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51608.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51626.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2	20.5 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.56	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.56	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.56	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.56	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.56	mg/kg	
95-48-7	2-Methylphenol	ND	0.56	mg/kg	
	3&4-Methylphenol	ND	0.56	mg/kg	
88-75-5	2-Nitrophenol	ND	0.56	mg/kg	
100-02-7	4-Nitrophenol	ND	0.56	mg/kg	
87-86-5	Pentachlorophenol	ND	0.56	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.56	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.56	mg/kg	
83-32-9	Acenaphthene	0.692	0.11	mg/kg	
208-96-8	Acenaphthylene	1.09	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.56	mg/kg	
62-53-3	Aniline	ND	0.56	mg/kg	
120-12-7	Anthracene	2.30	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	7.67	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	8.75	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	8.03	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	5.18	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	4.56	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.56	mg/kg	
218-01-9	Chrysene	8.43	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976-24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.56	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.56	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.56	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.49	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	21.6 [b]	0.56	mg/kg	
86-73-7	Fluorene	0.866	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.56	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5.47	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	0.329	0.11	mg/kg	
91-20-3	Naphthalene	0.706	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	15.1 [b]	0.56	mg/kg	
129-00-0	Pyrene	20.0 [b]	0.56	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	79%	25-109%
4165-62-2	Phenol-d5	78%	79%	29-113%
118-79-6	2,4,6-Tribromophenol	87%	89%	20-141%
4165-60-0	Nitrobenzene-d5	70%	73%	27-115%
321-60-8	2-Fluorobiphenyl	77%	83%	34-118%
1718-51-0	Terphenyl-d14	87%	97%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24
4

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24
4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79865.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.24 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	103%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54527.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0449	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	40%		10-143%
877-09-8	Tetrachloro-m-xylene	63%		10-143%
2051-24-3	Decachlorobiphenyl	707% [a]		10-172%
2051-24-3	Decachlorobiphenyl	841% [a]		10-172%

(a) Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP		
Lab Sample ID:	MC49976-24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65078.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		25-145%
877-09-8	Tetrachloro-m-xylene	55%		25-145%
2051-24-3	Decachlorobiphenyl	87%		25-179%
2051-24-3	Decachlorobiphenyl	65%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125181.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:GOA4283
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76 5	2,4,5-T	ND	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	86%		10-159%
19719 28 9	2,4-DCAA	85%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.24
4

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976 24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4503.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi VOA)	423	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	112%		17 130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.24
4

Report of Analysis

Client Sample ID:	PC-6 0-15' COMP		
Lab Sample ID:	MC49976-24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	4.3	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	58.0	5.9	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.59	0.59	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	17.7	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	24.2	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	<0.036	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	<0.59	0.59	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Prep QC Batch: N:MP99633
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 6 0 15' COMP		
Lab Sample ID:	MC49976-24	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.24
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:27	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	87.2		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	169	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.33		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-7 0 5'		
Lab Sample ID:	MC49976 25	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.4
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.25

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	156	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-7 5-10'		
Lab Sample ID:	MC49976 26	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	89.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.26

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	4.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 7 10 15'		
Lab Sample ID:	MC49976-27	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.27

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	5.7	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.28

4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83305.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2							

	Initial Weight	Final Volume
Run #1	5.41 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	0.0242	0.011	mg/kg	
71-43-2	Benzene	ND	0.00056	mg/kg	
108-86-1	Bromobenzene	ND	0.0056	mg/kg	
74 97 5	Bromochloromethane	ND	0.0056	mg/kg	
75 27 4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0056	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0056	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0056	mg/kg	
75-15-0	Carbon disulfide	ND	0.0056	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0056	mg/kg	
95 49 8	o Chlorotoluene	ND	0.0056	mg/kg	
106 43 4	p Chlorotoluene	ND	0.0056	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0056	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0056	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0056	mg/kg	
75 34 3	1,1-Dichloroethane	ND	0.0022	mg/kg	
107 06 2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75 35 4	1,1-Dichloroethene	ND	0.0022	mg/kg	
156 59 2	cis 1,2 Dichloroethene	ND	0.0022	mg/kg	
156 60 5	trans-1,2 Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0056	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0056	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0056	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0056	mg/kg	
591-78-6	2-Hexanone	ND	0.0056	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0056	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0056	mg/kg	
74-95-3	Methylene bromide	ND	0.0056	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	ND	0.0056	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0056	mg/kg	
100-42-5	Styrene	ND	0.0056	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0056	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0056	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0056	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0056	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0056	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0056	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0022	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	127%		65-141%
2037-26-5	Toluene-D8	104%		65-129%
460-00-4	4-Bromofluorobenzene	106%		63-137%

(a) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51609.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.58	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.58	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.58	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.58	mg/kg	
51 28 5	2,4-Dinitrophenol [a]	ND	0.58	mg/kg	
95-48-7	2-Methylphenol	ND	0.58	mg/kg	
	3&4-Methylphenol	ND	0.58	mg/kg	
88-75-5	2-Nitrophenol	ND	0.58	mg/kg	
100-02-7	4-Nitrophenol	ND	0.58	mg/kg	
87-86-5	Pentachlorophenol	ND	0.58	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.58	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.58	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.58	mg/kg	
62-53-3	Aniline	ND	0.58	mg/kg	
120-12-7	Anthracene	ND	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.58	mg/kg	
218-01-9	Chrysene	ND	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541 73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106 46 7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.58	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.58	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.58	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117 81 7	bis(2 Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.254	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.58	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.136	0.12	mg/kg	
129-00-0	Pyrene	0.238	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		25-109%
4165-62-2	Phenol-d5	82%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene-d5	73%		27-115%
321-60-8	2-Fluorobiphenyl	81%		34-118%
1718-51-0	Terphenyl-d14	91%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	83.0
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.28

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 7 0 15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.28

4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79866.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	105%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54528.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.6 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0058	mg/kg	
319-84-6	alpha-BHC	ND	0.0058	mg/kg	
319-85-7	beta-BHC	ND	0.0058	mg/kg	
319-86-8	delta-BHC	ND	0.0058	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.058	mg/kg	
60-57-1	Dieldrin	ND	0.0058	mg/kg	
72-54-8	4,4'-DDD	ND	0.0058	mg/kg	
72-55-9	4,4'-DDE	ND	0.0058	mg/kg	
50-29-3	4,4'-DDT	ND	0.0058	mg/kg	
72-20-8	Endrin	ND	0.0058	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0058	mg/kg	
959-98-8	Endosulfan-I	ND	0.0058	mg/kg	
33213-65-9	Endosulfan II	ND	0.0058	mg/kg	
76-44-8	Heptachlor	ND	0.0058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0058	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0058	mg/kg	
72-43-5	Methoxychlor	ND	0.0058	mg/kg	
53494-70-5	Endrin ketone	ND	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		10-143%
877-09-8	Tetrachloro-m-xylene	81%		10-143%
2051-24-3	Decachlorobiphenyl	65%		10-172%
2051-24-3	Decachlorobiphenyl	86%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.28
4

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65079.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.6 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		25-145%
877-09-8	Tetrachloro-m-xylene	80%		25-145%
2051-24-3	Decachlorobiphenyl	98%		25-179%
2051-24-3	Decachlorobiphenyl	89%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.28
4

Report of Analysis

4.28

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	83.0
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G107743.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	67%		10-159%
19719-28-9	2,4-DCAA	90%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.28

Client Sample ID:	PC 7 0 15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4495.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	ND	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976-28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	9.2	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	56.2	6.0	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.60	0.60	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	23.0	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	40.7	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	0.099	0.037	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	2.5	0.60	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Prep QC Batch: N:MP99633
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-7 0-15' COMP		
Lab Sample ID:	MC49976 28	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:28	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	83		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	311	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.83		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-8 0-5'		
Lab Sample ID:	MC49976-29	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	76.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.29

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	104	2.6	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-8 5-10'		
Lab Sample ID:	MC49976-30	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	91.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.30

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	2.9	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-8 10-15'		
Lab Sample ID:	MC49976-31	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	79.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	12.9	2.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83306.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2							

	Initial Weight	Final Volume
Run #1	5.54 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	0.0235	0.010	mg/kg	
71-43-2	Benzene	ND	0.00052	mg/kg	
108-86-1	Bromobenzene	ND	0.0052	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	mg/kg	
75 25-2	Bromoform	ND	0.0021	mg/kg	
74-83-9	Bromomethane	ND	0.010	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0052	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0052	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0052	mg/kg	
75-15-0	Carbon disulfide	ND	0.0052	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	mg/kg	
75-00-3	Chloroethane	ND	0.010	mg/kg	
67-66-3	Chloroform	ND	0.0021	mg/kg	
74 87 3	Chloromethane	ND	0.0052	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0052	mg/kg	
106 43 4	p Chlorotoluene	ND	0.0052	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0052	mg/kg	
106 93 4	1,2 Dibromoethane	ND	0.0021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0021	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0021	mg/kg	
75-71 8	Dichlorodifluoromethane	ND	0.0052	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0021	mg/kg	
107 06 2	1,2 Dichloroethane	ND	0.0021	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0021	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15 COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.32

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0021	mg/kg	
142-28 9	1,3-Dichloropropane	ND	0.0052	mg/kg	
594 20 7	2,2 Dichloropropane	ND	0.0052	mg/kg	
563-58 6	1,1-Dichloropropene	ND	0.0052	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	mg/kg	
10061 02 6	trans 1,3 Dichloropropene	ND	0.0021	mg/kg	
123 91-1	1,4-Dioxane	ND	0.13	mg/kg	
60 29 7	Ethyl Ether	ND	0.0052	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0052	mg/kg	
591-78 6	2-Hexanone	ND	0.0052	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0052	mg/kg	
99 87-6	p Isopropyltoluene	ND	0.0052	mg/kg	
1634 04 4	Methyl Tert Butyl Ether	ND	0.0021	mg/kg	
108-10 1	4-Methyl-2-pentanone (MIBK)	ND	0.0052	mg/kg	
74-95-3	Methylene bromide	ND	0.0052	mg/kg	
75 09 2	Methylene chloride	ND	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0052	mg/kg	
103 65-1	n Propylbenzene	ND	0.0052	mg/kg	
100 42-5	Styrene	ND	0.0052	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0052	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0021	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0021	mg/kg	
79 34 5	1,1,2,2 Tetrachloroethane	ND	0.0052	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0021	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.010	mg/kg	
108 88-3	Toluene	ND	0.0052	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	mg/kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.0052	mg/kg	
71 55 6	1,1,1 Trichloroethane	ND	0.0021	mg/kg	
79 00 5	1,1,2-Trichloroethane	ND	0.0021	mg/kg	
79 01 6	Trichloroethene	ND	0.0021	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0021	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0052	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0052	mg/kg	
108 67-8	1,3,5-Trimethylbenzene	ND	0.0052	mg/kg	
75 01-4	Vinyl chloride	ND	0.010	mg/kg	
	m,p-Xylene	ND	0.0021	mg/kg	
95 47-6	o Xylene	ND	0.0021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.32

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	134%		65 141%
2037-26-5	Toluene-D8	107%		65-129%
460 00 4	4 Bromofluorobenzene	106%		63 137%

(a) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51610.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85 0	Benzoic acid	ND	0.56	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.56	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.56	mg/kg	
105 67 9	2,4 Dimethylphenol	ND	0.56	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.56	mg/kg	
95 48 7	2 Methylphenol	ND	0.56	mg/kg	
	3&4-Methylphenol	ND	0.56	mg/kg	
88-75-5	2-Nitrophenol	ND	0.56	mg/kg	
100-02-7	4-Nitrophenol	ND	0.56	mg/kg	
87-86-5	Pentachlorophenol	ND	0.56	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95 95 4	2,4,5 Trichlorophenol	ND	0.56	mg/kg	
88 06-2	2,4,6-Trichlorophenol	ND	0.56	mg/kg	
83-32-9	Acenaphthene	0.213	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.56	mg/kg	
62 53 3	Aniline	ND	0.56	mg/kg	
120 12 7	Anthracene	0.490	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	1.32	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	1.27	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.981	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.700	0.11	mg/kg	
207 08 9	Benzo(k)fluoranthene	0.979	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91 58 7	2 Chloronaphthalene	ND	0.28	mg/kg	
106-47 8	4 Chloroaniline	ND	0.56	mg/kg	
218-01 9	Chrysene	1.22	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106 46 7	1,4 Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.56	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.56	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.56	mg/kg	
53 70 3	Dibenzo(a,h)anthracene	0.235	0.11	mg/kg	
132 64 9	Dibenzofuran	0.113	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206 44 0	Fluoranthene	2.94	0.11	mg/kg	
86-73-7	Fluorene	0.158	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77 47-4	Hexachlorocyclopentadiene	ND	0.56	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.812	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	2.29	0.11	mg/kg	
129 00 0	Pyrene	2.74	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		25-109%
4165-62 2	Phenol d5	76%		29 113%
118-79-6	2,4,6-Tribromophenol	83%		20-141%
4165 60 0	Nitrobenzene d5	71%		27 115%
321 60 8	2 Fluorobiphenyl	79%		34 118%
1718-51-0	Terphenyl-d14	92%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.32

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.32

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79867.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.63 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	105%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976-32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54531.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	0.0067	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		10-143%
877-09-8	Tetrachloro-m-xylene	65%		10-143%
2051-24-3	Decachlorobiphenyl	59%		10-172%
2051-24-3	Decachlorobiphenyl	190% [a]		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976-32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65085.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25-145%
877-09-8	Tetrachloro-m-xylene	67%		25-145%
2051-24-3	Decachlorobiphenyl	102%		25-179%
2051-24-3	Decachlorobiphenyl	79%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.32 4

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8151 SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G107744.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.017	mg/kg	
93 72 1	2,4,5 TP (Silvex)	ND	0.0034	mg/kg	
93 76 5	2,4,5 T	ND	0.0034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	66%		10-159%
19719-28-9	2,4-DCAA	93%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.32
4

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Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4496.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	18.8	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

4.32
4

Report of Analysis

Client Sample ID:	PC-8 0-15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.13

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	9.0	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	51.5	5.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.55	0.55	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	23.4	1.1	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	40.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	0.14	0.035	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	2.4	0.55	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Prep QC Batch: N:MP99633
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 8 0 15' COMP		
Lab Sample ID:	MC49976 32	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.1
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.32

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:29	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	87.1		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	285	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.89		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-9 0 5'		
Lab Sample ID:	MC49976-33	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.1
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.33

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	26.2	2.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC-9 5-10'		
Lab Sample ID:	MC49976-34	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.34

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	28.2	2.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 9 10 15'		
Lab Sample ID:	MC49976-35	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	75.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.35

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	11.5	2.6	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 9 0 15' COMP		
Lab Sample ID:	MC49976 36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.36

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83307.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2							

	Initial Weight	Final Volume
Run #1	6.19 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.0096	mg/kg	
71-43-2	Benzene	ND	0.00048	mg/kg	
108 86 1	Bromobenzene	ND	0.0048	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	mg/kg	
75-25-2	Bromoform	ND	0.0019	mg/kg	
74-83-9	Bromomethane	ND	0.0096	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0096	mg/kg	
104 51-8	n-Butylbenzene	ND	0.0048	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0048	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0048	mg/kg	
75-15-0	Carbon disulfide	ND	0.0048	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0019	mg/kg	
108 90 7	Chlorobenzene	ND	0.0019	mg/kg	
75-00-3	Chloroethane	ND	0.0096	mg/kg	
67-66-3	Chloroform	ND	0.0019	mg/kg	
74 87 3	Chloromethane	ND	0.0048	mg/kg	
95 49 8	o Chlorotoluene	ND	0.0048	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0048	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0019	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0048	mg/kg	
124 48-1	Dibromochloromethane	ND	0.0048	mg/kg	
106 93 4	1,2 Dibromoethane	ND	0.0019	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0019	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0019	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0019	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0019	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.36

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0048	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0048	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	mg/kg	
123-91-1	1,4-Dioxane	ND	0.12	mg/kg	
60-29-7	Ethyl Ether	ND	0.0048	mg/kg	
100-41-4	Ethylbenzene	ND	0.0019	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0048	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0048	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0048	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0019	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0048	mg/kg	
74-95-3	Methylene bromide	ND	0.0048	mg/kg	
75-09-2	Methylene chloride	ND	0.0019	mg/kg	
91-20-3	Naphthalene	ND	0.0048	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0048	mg/kg	
100-42-5	Styrene	ND	0.0048	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0048	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0019	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0048	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.0096	mg/kg	
108-88-3	Toluene	ND	0.0048	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	mg/kg	
79-01-6	Trichloroethene	ND	0.0019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0019	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0048	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0048	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0048	mg/kg	
75-01-4	Vinyl chloride	ND	0.0096	mg/kg	
	m,p-Xylene	ND	0.0019	mg/kg	
95-47-6	o-Xylene	ND	0.0019	mg/kg	
1330-20-7	Xylene (total)	ND	0.0019	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	138%		65-141%
2037-26-5	Toluene-D8	107%		65-129%
460-00-4	4-Bromofluorobenzene	108%		63-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51611.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4 Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4 Dinitrophenol [4]	ND	0.59	mg/kg	
95-48-7	2 Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2 Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87-86-5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120-12-7	Anthracene	0.122	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.413	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.430	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.368	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.303	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.355	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.398	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2 Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.712	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.309	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.388	0.12	mg/kg	
129-00-0	Pyrene	0.725	0.12	mg/kg	
120-82-1	1,2,4 Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		25-109%
4165-62-2	Phenol-d5	75%		29-113%
118-79-6	2,4,6-Tribromophenol	80%		20-141%
4165-60-0	Nitrobenzene-d5	70%		27-115%
321-60-8	2-Fluorobiphenyl	74%		34-118%
1718-51-0	Terphenyl d14	85%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC 9 0 15' COMP		
Lab Sample ID:	MC49976 36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 9 0 15' COMP		
Lab Sample ID:	MC49976 36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79868.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.32 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 9 0 15' COMP		
Lab Sample ID:	MC49976 36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54532.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0058	mg/kg	
319-84-6	alpha-BHC	ND	0.0058	mg/kg	
319-85-7	beta-BHC	ND	0.0058	mg/kg	
319-86-8	delta-BHC	ND	0.0058	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.058	mg/kg	
60-57-1	Dieldrin	ND	0.0058	mg/kg	
72-54-8	4,4'-DDD	ND	0.0058	mg/kg	
72-55-9	4,4'-DDE	ND	0.0058	mg/kg	
50-29-3	4,4'-DDT	ND	0.0058	mg/kg	
72-20-8	Endrin	ND	0.0058	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0058	mg/kg	
959-98-8	Endosulfan-I	ND	0.0058	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0058	mg/kg	
76-44-8	Heptachlor	ND	0.0058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0058	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0058	mg/kg	
72-43-5	Methoxychlor	ND	0.0058	mg/kg	
53494-70-5	Endrin ketone	ND	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-143%
877-09-8	Tetrachloro-m-xylene	73%		10-143%
2051-24-3	Decachlorobiphenyl	53%		10-172%
2051-24-3	Decachlorobiphenyl	95%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC 9 0 15' COMP		
Lab Sample ID:	MC49976 36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65086.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		25-145%
877-09-8	Tetrachloro-m-xylene	81%		25-145%
2051-24-3	Decachlorobiphenyl	102%		25-179%
2051-24-3	Decachlorobiphenyl	88%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	83.9
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G107745.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	73%		10-159%
19719-28-9	2,4-DCAA	100%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC 9 0-15' COMP		
Lab Sample ID:	MC49976 36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4504.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	39.3	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	14.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Barium [a]	86.8	6.1	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Cadmium [a]	<0.61	0.61	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Chromium [a]	28.9	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Lead [a]	31.6	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Mercury [a]	3.3	0.18	mg/kg	5	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.4	2.4	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]
Silver [a]	2.6	0.61	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [3]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Prep QC Batch: N:MP99633
(4) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC-9 0-15' COMP		
Lab Sample ID:	MC49976-36	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:31	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	83.9		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	282	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	8.06		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-10 0-5'		
Lab Sample ID:	MC49976-37	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	28.6	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-10 5-10'		
Lab Sample ID:	MC49976-38	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	8.7	2.5	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC-10 10-15'		
Lab Sample ID:	MC49976-39	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	77.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.39

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	12.2	2.6	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41699
(2) Prep QC Batch: N:MP99633

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83308.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2							

	Initial Weight	Final Volume
Run #1	5.68 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [a]	0.0445	0.011	mg/kg	
71-43-2	Benzene	ND	0.00053	mg/kg	
108-86-1	Bromobenzene	ND	0.0053	mg/kg	
74-97-5	Bromochloromethane	ND	0.0053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	mg/kg	
75-25-2	Bromoform	ND	0.0021	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0053	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0053	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0053	mg/kg	
75-15-0	Carbon disulfide	ND	0.0053	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0021	mg/kg	
74-87-3	Chloromethane	ND	0.0053	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0053	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0053	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0053	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0053	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0021	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0053	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0021	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0021	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0021	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0021	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0053	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0053	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0053	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	mg/kg	
123-91-1	1,4-Dioxane	ND	0.13	mg/kg	
60-29-7	Ethyl Ether	ND	0.0053	mg/kg	
100-41-4	Ethylbenzene	ND	0.0021	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0053	mg/kg	
591-78-6	2-Hexanone	ND	0.0053	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0053	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0053	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0021	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0053	mg/kg	
74-95-3	Methylene bromide	ND	0.0053	mg/kg	
75-09-2	Methylene chloride	ND	0.0021	mg/kg	
91-20-3	Naphthalene	ND	0.0053	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0053	mg/kg	
100-42-5	Styrene	ND	0.0053	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0053	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0021	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0053	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0053	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0053	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0053	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	mg/kg	
79-01-6	Trichloroethene	ND	0.0021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0021	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0053	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0053	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0053	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0021	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	138%		65-141%
2037-26-5	Toluene-D8	106%		65-129%
460-00-4	4-Bromofluorobenzene	103%		63-137%

(a) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51612.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.60	mg/kg	
95-57-8	2-Chlorophenol	ND	0.30	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.60	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.60	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.60	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.60	mg/kg	
95-48-7	2-Methylphenol	ND	0.60	mg/kg	
	3&4-Methylphenol	ND	0.60	mg/kg	
88-75-5	2-Nitrophenol	ND	0.60	mg/kg	
100-02-7	4-Nitrophenol	ND	0.60	mg/kg	
87 86 5	Pentachlorophenol	ND	0.60	mg/kg	
108-95-2	Phenol	ND	0.30	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.60	mg/kg	
88 06-2	2,4,6-Trichlorophenol	ND	0.60	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	0.401	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.60	mg/kg	
62 53 3	Aniline	ND	0.60	mg/kg	
120 12 7	Anthracene	0.369	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	1.29	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	1.31	0.30	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.999	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.788	0.12	mg/kg	
207 08 9	Benzo(k)fluoranthene	1.08	0.12	mg/kg	
101 55 3	4 Bromophenyl phenyl ether	ND	0.30	mg/kg	
85 68-7	Butyl benzyl phthalate	ND	0.30	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.30	mg/kg	
106-47-8	4-Chloroaniline	ND	0.60	mg/kg	
218-01-9	Chrysene	1.18	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.30	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.30	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.30	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50 1	1,2-Dichlorobenzene	ND	0.30	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.30	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.30	mg/kg	
106 46 7	1,4 Dichlorobenzene	ND	0.30	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.60	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.60	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.60	mg/kg	
53 70 3	Dibenzo(a,h)anthracene	0.255	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.30	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.30	mg/kg	
84-66-2	Diethyl phthalate	ND	0.30	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.30	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.30	mg/kg	
206-44-0	Fluoranthene	2.21	0.12	mg/kg	
86-73-7	Fluorene	0.142	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.30	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.30	mg/kg	
77 47-4	Hexachlorocyclopentadiene	ND	0.60	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.881	0.30	mg/kg	
78-59-1	Isophorone	ND	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.30	mg/kg	
621 64 7	N Nitroso di n-propylamine	ND	0.30	mg/kg	
86 30 6	N Nitrosodiphenylamine	ND	0.30	mg/kg	
85-01-8	Phenanthrene	1.12	0.12	mg/kg	
129-00-0	Pyrene	1.99	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		25-109%
4165-62-2	Phenol-d5	83%		29-113%
118-79-6	2,4,6-Tribromophenol	89%		20-141%
4165-60-0	Nitrobenzene-d5	78%		27-115%
321-60-8	2-Fluorobiphenyl	81%		34-118%
1718 51 0	Terphenyl d14	92%		42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79869.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	105%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54533.D	1	04/04/17	AP	03/31/17	OP49567	GBF2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	ND	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		10-143%
877-09-8	Tetrachloro-m-xylene	68%		10-143%
2051-24-3	Decachlorobiphenyl	70%		10-172%
2051-24-3	Decachlorobiphenyl	120%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65087.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		25-145%
877-09-8	Tetrachloro-m-xylene	64%		25-145%
2051-24-3	Decachlorobiphenyl	99%		25-179%
2051-24-3	Decachlorobiphenyl	87%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 8151/3550C	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OA125133.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:GOA4281
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	75%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.40 4

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 10 0 15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4497.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH DRO (Semi VOA)	52.2	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.40 4

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	11.3	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	105	5.8	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.58	0.58	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	45.5	1.2	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	19.0	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.084	0.037	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [5]
Selenium [a]	<2.3	2.3	mg/kg	1	04/01/17	04/03/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	2.7	1.8	mg/kg	3	04/01/17	04/04/17	ANJ	SW846 6010C [3]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41699
(3) Instrument QC Batch: N:MA41707
(4) Prep QC Batch: N:MP99633
(5) Prep QC Batch: N:MP99635

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-10 0-15' COMP		
Lab Sample ID:	MC49976-40	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.40

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:32	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	83.2		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	172	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.67		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 11 0-5'		
Lab Sample ID:	MC49976-41	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	91.8
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.41

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	15.4	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 11 5 10'		
Lab Sample ID:	MC49976-42	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	80.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.42

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	10.5	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-11 10-15'		
Lab Sample ID:	MC49976-43	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	86.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.43

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	7.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83314.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 [a]	M83309.D	1	03/31/17	DRY	n/a	n/a	MSM3003

	Initial Weight	Final Volume
Run #1	4.76 g	5.0 ml
Run #2	5.00 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0338	0.012	mg/kg	
71-43-2	Benzene	ND	0.00060	mg/kg	
108-86-1	Bromobenzene	ND	0.0060	mg/kg	
74-97-5	Bromochloromethane	ND	0.0060	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0024	mg/kg	
75-25-2	Bromoform	ND	0.0024	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0060	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0060	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0060	mg/kg	
75 15 0	Carbon disulfide	ND	0.0060	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0024	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0024	mg/kg	
74-87-3	Chloromethane	ND	0.0060	mg/kg	
95 49-8	o Chlorotoluene	ND	0.0060	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0060	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0060	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0060	mg/kg	
106 93 4	1,2-Dibromoethane	ND	0.0024	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0024	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0024	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0024	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0060	mg/kg	
75 34 3	1,1 Dichloroethane	ND	0.0024	mg/kg	
107 06-2	1,2 Dichloroethane	ND	0.0024	mg/kg	
75 35 4	1,1 Dichloroethene	ND	0.0024	mg/kg	
156 59 2	cis 1,2 Dichloroethene	ND	0.0024	mg/kg	
156 60 5	trans-1,2 Dichloroethene	ND	0.0024	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8260C	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0024	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0060	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0060	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0060	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0024	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0024	mg/kg	
123-91-1	1,4-Dioxane	ND	0.15	mg/kg	
60-29-7	Ethyl Ether	ND	0.0060	mg/kg	
100-41-4	Ethylbenzene	ND	0.0024	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0060	mg/kg	
591-78-6	2-Hexanone	ND	0.0060	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0060	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0060	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0024	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0060	mg/kg	
74-95-3	Methylene bromide	ND	0.0060	mg/kg	
75-09-2	Methylene chloride	ND	0.0024	mg/kg	
91-20-3	Naphthalene	ND	0.0060	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0060	mg/kg	
100-42-5	Styrene	ND	0.0060	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0060	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0024	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0024	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0060	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0024	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.012	mg/kg	
108-88-3	Toluene	ND	0.0060	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0060	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0060	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0024	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0024	mg/kg	
79-01-6	Trichloroethene	ND	0.0024	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0024	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0060	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0060	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0060	mg/kg	
75-01-4	Vinyl chloride	ND	0.012	mg/kg	
	m,p-Xylene	ND	0.0024	mg/kg	
95-47-6	o-Xylene	ND	0.0024	mg/kg	
1330-20-7	Xylene (total)	ND	0.0024	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	147% [c]	136%	65-141%
2037-26-5	Toluene-D8	110%	108%	65-129%
460-00-4	4-Bromofluorobenzene	103%	117%	63-137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51613.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.0 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85 0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59 50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.57	mg/kg	
95 48 7	2 Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88 75 5	2 Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87 86 5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95 95 4	2,4,5 Trichlorophenol	ND	0.57	mg/kg	
88 06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	ND	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	0.123	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	mg/kg	
207-08 9	Benzo(k)fluoranthene	0.117	0.11	mg/kg	
101-55 3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85 68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	0.118	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95 50 1	1,2 Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.115	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118 74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193 39 5	Indeno(1,2,3 cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	ND	0.11	mg/kg	
129-00-0	Pyrene	0.123	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		25-109%
4165-62-2	Phenol-d5	86%		29-113%
118-79-6	2,4,6-Tribromophenol	92%		20-141%
4165-60-0	Nitrobenzene-d5	82%		27-115%
321-60-8	2-Fluorobiphenyl	86%		34-118%
1718-51-0	Terphenyl-d14	97%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4.4

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.4.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79871.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.93 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	102%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54534.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0057	mg/kg	
319-84-6	alpha-BHC	ND	0.0057	mg/kg	
319-85-7	beta-BHC	ND	0.0057	mg/kg	
319-86-8	delta-BHC	ND	0.0057	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.057	mg/kg	
60-57-1	Dieldrin	ND	0.0057	mg/kg	
72-54-8	4,4'-DDD	ND	0.0057	mg/kg	
72-55-9	4,4'-DDE	ND	0.0057	mg/kg	
50-29-3	4,4'-DDT	ND	0.0057	mg/kg	
72-20-8	Endrin	ND	0.0057	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0057	mg/kg	
959-98-8	Endosulfan-I	ND	0.0057	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0057	mg/kg	
76-44-8	Heptachlor	ND	0.0057	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0057	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0057	mg/kg	
72-43-5	Methoxychlor	ND	0.0057	mg/kg	
53494-70-5	Endrin ketone	ND	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		10-143%
877-09-8	Tetrachloro-m-xylene	81%		10-143%
2051-24-3	Decachlorobiphenyl	50%		10-172%
2051-24-3	Decachlorobiphenyl	79%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65088.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		25-145%
877-09-8	Tetrachloro-m-xylene	78%		25-145%
2051-24-3	Decachlorobiphenyl	91%		25-179%
2051-24-3	Decachlorobiphenyl	81%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP		
Lab Sample ID:	MC49976-44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G107746.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.017	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0034	mg/kg	
93-76-5	2,4,5-T	ND	0.0034	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	75%		10-159%
		102%		

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.44

SGS Accutest LabLink@11:46 11 Apr 2017

Report of Analysis

Client Sample ID:	PC 11 0 15' COMP		
Lab Sample ID:	MC49976 44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4505.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	36.3	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.44

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976 44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	3.2	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	28.1	5.8	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	12.9	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	17.9	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.045	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-11 0-15' COMP		
Lab Sample ID:	MC49976 44	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	86.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.44

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:33	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	86.9		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	156	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	6.20		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 12 0 5'		
Lab Sample ID:	MC49976-45	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.45

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	138	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 12 5 10'		
Lab Sample ID:	MC49976-46	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.46

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	488	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-12 10-15'		
Lab Sample ID:	MC49976-47	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.47

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	4.1	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83310.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 [a]	M83315.D	1	03/31/17	DRY	n/a	n/a	MSM3003

	Initial Weight	Final Volume
Run #1	5.19 g	5.0 ml
Run #2	4.94 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.113	0.011	mg/kg	
71-43-2	Benzene	ND	0.00057	mg/kg	
108-86-1	Bromobenzene	ND	0.0057	mg/kg	
74-97 5	Bromochloromethane	ND	0.0057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n Butylbenzene	ND	0.0057	mg/kg	
135-98 8	sec Butylbenzene	ND	0.0057	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0057	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0057	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0057	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0057	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75 35 4	1,1 Dichloroethene	ND	0.0023	mg/kg	
156 59 2	cis 1,2 Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP		
Lab Sample ID:	MC49976 48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8260C	Percent Solids:	83.8
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0057	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0057	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0057	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0057	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0057	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0057	mg/kg	
74-95-3	Methylene bromide	ND	0.0057	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0057	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0057	mg/kg	
100-42-5	Styrene	ND	0.0057	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0057	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0057	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0057	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0057	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0023	mg/kg	
95-47-6	o-Xylene	ND	0.0023	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST MC43376

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP		
Lab Sample ID:	MC49976 48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	142% [c]	150% [c]	65-141%
2037-26-5	Toluene-D8	106%	109%	65-129%
460-00-4	4-Bromofluorobenzene	112%	105%	63-137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976 48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51614.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87 86 5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88 06 2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	ND	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98 86 2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	ND	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.29	mg/kg	
205 99 2	Benzo(b)fluoranthene	ND	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218 01 9	Chrysene	0.115	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108 60 1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.48 4

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976 48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95 50 1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4 Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.222	0.11	mg/kg	
86-73-7	Fluorene	ND	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	mg/kg	
91-20-3	Naphthalene	ND	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.127	0.11	mg/kg	
129-00-0	Pyrene	0.209	0.11	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		25-109%
4165-62-2	Phenol-d5	76%		29-113%
118-79-6	2,4,6-Tribromophenol	85%		20-141%
4165 60 0	Nitrobenzene d5	73%		27 115%
321-60-8	2-Fluorobiphenyl	78%		34-118%
1718-51-0	Terphenyl-d14	92%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.48 4

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79872.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.86 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	103%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54535.D	1	04/04/17	AP	03/31/17	OP49567	GBF2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0059	mg/kg	
319-84-6	alpha-BHC	ND	0.0059	mg/kg	
319-85-7	beta-BHC	ND	0.0059	mg/kg	
319-86-8	delta-BHC	ND	0.0059	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.059	mg/kg	
60-57-1	Dieldrin	ND	0.0059	mg/kg	
72-54-8	4,4'-DDD	ND	0.0059	mg/kg	
72-55-9	4,4'-DDE	ND	0.0059	mg/kg	
50-29-3	4,4'-DDT	ND	0.0059	mg/kg	
72-20-8	Endrin	ND	0.0059	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0059	mg/kg	
959-98-8	Endosulfan-I	ND	0.0059	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0059	mg/kg	
76-44-8	Heptachlor	ND	0.0059	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0059	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0059	mg/kg	
72-43-5	Methoxychlor	ND	0.0059	mg/kg	
53494-70-5	Endrin ketone	ND	0.0059	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		10-143%
877-09-8	Tetrachloro-m-xylene	78%		10-143%
2051-24-3	Decachlorobiphenyl	52%		10-172%
2051-24-3	Decachlorobiphenyl	78%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.48 4

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Report of Analysis

Client Sample ID:	PC 12 0 15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65089.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.030	mg/kg	
11141-16-5	Aroclor 1232	ND	0.030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.030	mg/kg	
12672-29-6	Aroclor 1248	ND	0.030	mg/kg	
11097-69-1	Aroclor 1254	ND	0.030	mg/kg	
11096-82-5	Aroclor 1260	ND	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		25-145%
877-09-8	Tetrachloro-m-xylene	79%		25-145%
2051-24-3	Decachlorobiphenyl	102%		25-179%
2051-24-3	Decachlorobiphenyl	92%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.48 4

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 8151/3550C	Percent Solids:	83.8
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G107673.D	1	04/06/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.020	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0040	mg/kg	
93-76-5	2,4,5-T	ND	0.0040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	94%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC-12 0-15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4506.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	50.0	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	111%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-12 0-15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	7.2	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	61.7	5.7	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	0.77	0.57	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	13.9	1.1	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	238	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.17	0.038	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.57	0.57	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC 12 0-15' COMP		
Lab Sample ID:	MC49976-48	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.48 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<12	12	mg/kg	1	04/03/17 12:35	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	83.8		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	330	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<120	120	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.59		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 13 0 5		
Lab Sample ID:	MC49976-49	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.5
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.49

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead [a]	340	2.5	mg/kg	1	04/02/17	04/04/17 ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-13 5-10'		
Lab Sample ID:	MC49976-50	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	61.4
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.50

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead [a]	62.3	3.2	mg/kg	1	04/02/17	04/04/17 ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-13 10-15'		
Lab Sample ID:	MC49976 51	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.9
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.51

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	4.8	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.52

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83413.D	1	04/06/17	DRY	n/a	n/a	MSM3006
Run #2							

	Initial Weight	Final Volume
Run #1	5.15 g	5.0 ml
Run #2		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.011	mg/kg	
71-43-2	Benzene	ND	0.00057	mg/kg	
108-86-1	Bromobenzene	ND	0.0057	mg/kg	
74 97 5	Bromochloromethane	ND	0.0057	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51 8	n Butylbenzene	ND	0.0057	mg/kg	
135-98 8	sec Butylbenzene	ND	0.0057	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0057	mg/kg	
75 15 0	Carbon disulfide	ND	0.0057	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67 66 3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0057	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0057	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0057	mg/kg	
108-20-3	Di-isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0057	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0023	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0023	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0057	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0023	mg/kg	
107 06 2	1,2 Dichloroethane	ND	0.0023	mg/kg	
75 35 4	1,1 Dichloroethene	ND	0.0023	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0023	mg/kg	
156 60 5	trans 1,2 Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8260C	Percent Solids:	84.9
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0023	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0057	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0057	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0057	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0057	mg/kg	
591-78-6	2-Hexanone	ND	0.0057	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0057	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0057	mg/kg	
74-95-3	Methylene bromide	ND	0.0057	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0057	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0057	mg/kg	
100-42-5	Styrene	ND	0.0057	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0057	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0023	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0057	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0057	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0057	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79-01-6	Trichloroethene	ND	0.0023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0057	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0057	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0057	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	0.0039	0.0023	mg/kg	
95-47-6	o-Xylene	ND	0.0023	mg/kg	
1330-20-7	Xylene (total)	0.0055	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		65-141%
2037-26-5	Toluene-D8	99%		65-129%
460-00-4	4-Bromofluorobenzene	127%		63-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976 52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51615.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methylphenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.59	mg/kg	
95-48-7	2-Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87-86-5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120-12-7	Anthracene	0.133	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.512	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.539	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.413	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.304	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.416	0.12	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.509	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	1.02	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.335	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.579	0.12	mg/kg	
129-00-0	Pyrene	0.955	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		25-109%
4165-62-2	Phenol-d5	51%		29-113%
118-79-6	2,4,6-Tribromophenol	72%		20-141%
4165-60-0	Nitrobenzene-d5	47%		27-115%
321-60-8	2-Fluorobiphenyl	55%		34-118%
1718-51-0	Terphenyl-d14	76%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	84.9
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79873.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.6 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	105%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BF54536.D	1	04/04/17	AP	03/31/17	OP49567	GBF2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	ND	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		10-143%
877-09-8	Tetrachloro-m-xylene	77%		10-143%
2051-24-3	Decachlorobiphenyl	56%		10-172%
2051-24-3	Decachlorobiphenyl	90%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC 13 0 15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65090.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25-145%
877-09-8	Tetrachloro-m-xylene	74%		25-145%
2051-24-3	Decachlorobiphenyl	96%		25-179%
2051-24-3	Decachlorobiphenyl	82%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 8151 3550C	Percent Solids:	84.9
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G107674.D	1	04/06/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0037	mg/kg	
93-76-5	2,4,5-T	ND	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	152% [b]		10-159%
19719-28-9	2,4-DCAA	60%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) High percent recoveries and no positive found in the sample.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-13 0-15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4498.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	41.9	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	106%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	3.5	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	36.5	5.8	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	12.6	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	71.7	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.60	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.58	0.58	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 13 0 15' COMP		
Lab Sample ID:	MC49976-52	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.52
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General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:36	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	84.9		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	1360	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	6.38		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID	PC 14 0 5'		
Lab Sample ID:	MC49976-53	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	90.1
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.53

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	23.9	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC 14 5 10		
Lab Sample ID:	MC49976 54	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.54

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	59.8	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-14 10-15'		
Lab Sample ID:	MC49976-55	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.55

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	2.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-14 0-15' COMP		
Lab Sample ID:	MC49976-56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83312.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 [a]	M83317.D	1	03/31/17	DRY	n/a	n/a	MSM3003

	Initial Weight	Final Volume
Run #1	4.99 g	5.0 ml
Run #2	5.17 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0377	0.011	mg/kg	
71-43-2	Benzene	ND	0.00057	mg/kg	
108-86-1	Bromobenzene	ND	0.0057	mg/kg	
74-97-5	Bromochloromethane	ND	0.0057	mg/kg	
75 27 4	Bromodichloromethane	ND	0.0023	mg/kg	
75 25 2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0057	mg/kg	
135 98-8	sec Butylbenzene	ND	0.0057	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0057	mg/kg	
75-15-0	Carbon disulfide	ND	0.0057	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0023	mg/kg	
108 90 7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74 87 3	Chloromethane	ND	0.0057	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0057	mg/kg	
106-43 4	p Chlorotoluene	ND	0.0057	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0057	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0057	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106 46 7	1,4 Dichlorobenzene	ND	0.0023	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0057	mg/kg	
75 34 3	1,1 Dichloroethane	ND	0.0023	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0023	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0023	mg/kg	
156 59 2	cis 1,2 Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8260C	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0023	mg kg	
142-28 9	1,3-Dichloropropane	ND	0.0057	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0057	mg/kg	
563 58 6	1,1-Dichloropropene	ND	0.0057	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	mg/kg	
10061-02 6	trans-1,3-Dichloropropene	ND	0.0023	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60 29 7	Ethyl Ether	ND	0.0057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0057	mg kg	
591-78 6	2-Hexanone	ND	0.0057	mg/kg	
98 82-8	Isopropylbenzene	ND	0.0057	mg/kg	
99 87-6	p Isopropyltoluene	ND	0.0057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0057	mg/kg	
74-95-3	Methylene bromide	ND	0.0057	mg/kg	
75-09-2	Methylene chloride	ND	0.0023	mg kg	
91-20 3	Naphthalene	ND	0.0057	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0057	mg/kg	
100 42 5	Styrene	ND	0.0057	mg kg	
994 05 8	tert-Amyl Methyl Ether	ND	0.0057	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0023	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0 0023	mg kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0057	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	mg/kg	
109 99 9	Tetrahydrofuran	ND	0.011	mg/kg	
108 88 3	Toluene	ND	0.0057	mg kg	
87 61-6	1,2,3-Trichlorobenzene	ND	0.0057	mg/kg	
120 82-1	1,2,4-Trichlorobenzene	ND	0.0057	mg/kg	
71 55 6	1,1,1 Trichloroethane	ND	0.0023	mg kg	
79 00 5	1,1,2 Trichloroethane	ND	0.0023	mg kg	
79-01 6	Trichloroethene	ND	0.0023	mg kg	
75 69 4	Trichlorofluoromethane	ND	0.0023	mg/kg	
96-18 4	1,2,3-Trichloropropane	ND	0.0057	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0057	mg/kg	
108 67-8	1,3,5-Trimethylbenzene	ND	0.0057	mg/kg	
75 01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	0.0063	0.0023	mg/kg	
95 47-6	o-Xylene	0.0026	0.0023	mg/kg	
1330 20 7	Xylene (total)	0.0089	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03/28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.56

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	147% c	173% c	65 141%
2037-26-5	Toluene-D8	107%	114%	65-129%
460-00-4	4-Bromofluorobenzene	112%	103%	63-137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51616.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51 28 5	2,4 Dinitrophenol [a]	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95 95 4	2,4,5 Trichlorophenol	ND	0.57	mg/kg	
88 06 2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83 32 9	Acenaphthene	ND	0.11	mg/kg	
208 96 8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120 12 7	Anthracene	0.154	0.11	mg/kg	
56 55 3	Benzo(a)anthracene	0.384	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	0.384	0.28	mg/kg	
205 99 2	Benzo(b)fluoranthene	0.283	0.11	mg/kg	
191 24 2	Benzo(g,h,i)perylene	0.217	0.11	mg/kg	
207-08 9	Benzo(k)fluoranthene	0.291	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218 01 9	Chrysene	0.348	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-14 0-15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122 66-7	1,2 Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121 14 2	2,4 Dinitrotoluene	ND	0.57	mg/kg	
606 20 2	2,6 Dinitrotoluene	ND	0.57	mg/kg	
91 94 1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	mg/kg	
84-74 2	Di n butyl phthalate	ND	0.28	mg/kg	
117 84 0	Di n octyl phthalate	ND	0.28	mg/kg	
84 66 2	Diethyl phthalate	ND	0.28	mg/kg	
131 11 3	Dimethyl phthalate	ND	0.28	mg/kg	
117 81 7	bis(2 Ethylhexyl)phthalate	ND	0.28	mg/kg	
206 44 0	Fluoranthene	0.882	0.11	mg/kg	
86 73-7	Fluorene	ND	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.28	mg/kg	
77 47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91 57 6	2 Methylnaphthalene	ND	0.11	mg/kg	
91 20 3	Naphthalene	ND	0.11	mg/kg	
98 95 3	Nitrobenzene	ND	0.28	mg/kg	
621 64 7	N Nitroso di n propylamine	ND	0.28	mg/kg	
86 30 6	N Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	0.624	0.11	mg/kg	
129-00-0	Pyrene	0.759	0.11	mg/kg	
120 82 1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367 12 4	2 Fluorophenol	80%		25 109%
4165-62 2	Phenol d5	81%		29-113%
118-79-6	2,4,6-Tribromophenol	89%		20 141%
4165-60-0	Nitrobenzene-d5	75%		27-115%
321-60-8	2-Fluorobiphenyl	80%		34 118%
1718 51 0	Terphenyl d14	89%		42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID	PC 14 0 15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	87.3
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.56

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976-56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.56

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79874.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.76 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	103%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-14 0-15' COMP		
Lab Sample ID:	MC49976-56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54537.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	ND	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-143%
877-09-8	Tetrachloro-m-xylene	68%		10-143%
2051-24-3	Decachlorobiphenyl	55%		10-172%
2051-24-3	Decachlorobiphenyl	90%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976-56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65091.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		25-145%
877-09-8	Tetrachloro-m-xylene	68%		25-145%
2051-24-3	Decachlorobiphenyl	91%		25-179%
2051-24-3	Decachlorobiphenyl	79%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-14 0-15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03/28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 8151 3550C	Percent Solids:	87.3
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3G107675.D	1	04/06/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0037	mg/kg	
93-76-5	2,4,5-T	ND	0.0037	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	156% b		10-159%
		122%		

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) High percent recoveries and no positive found in the sample.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.56 4

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Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976 56	Date Sampled:	03 28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4507.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	33.3	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.56 4

Report of Analysis

Client Sample ID:	PC 14 0 15' COMP		
Lab Sample ID:	MC49976-56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.56 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	2.5	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	16.3	5.9	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	8.2	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	22.8	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.11	0.035	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.4	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC-14 0-15' COMP		
Lab Sample ID:	MC49976-56	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.56 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:37	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	87.3		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	240	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.28		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 15 0 5'		
Lab Sample ID:	MC49976 57	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.57

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	197	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Page 1 of 1

Client Sample ID:	PC 15 5 10'		
Lab Sample ID:	MC49976 58	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	75.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.58

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	9.7	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-15 10-15'		
Lab Sample ID:	MC49976-59	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	89.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.59

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	3.2	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

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Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976-60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.60

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83313.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 [a]	M83318.D	1	03/31/17	DRY	n/a	n/a	MSM3003

	Initial Weight	Final Volume
Run #1	4.45 g	5.0 ml
Run #2	6.40 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.013	mg/kg	
71-43-2	Benzene	ND	0.00067	mg/kg	
108-86-1	Bromobenzene	ND	0.0067	mg/kg	
74 97 5	Bromochloromethane	ND	0.0067	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0027	mg/kg	
75-25-2	Bromoform	ND	0.0027	mg/kg	
74-83-9	Bromomethane	ND	0.013	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0067	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0067	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0067	mg/kg	
75 15 0	Carbon disulfide	ND	0.0067	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0027	mg/kg	
108 90 7	Chlorobenzene	ND	0.0027	mg/kg	
75-00-3	Chloroethane	ND	0.013	mg/kg	
67 66 3	Chloroform	ND	0.0027	mg/kg	
74-87-3	Chloromethane	ND	0.0067	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0067	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0067	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0067	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0067	mg/kg	
106 93 4	1,2 Dibromoethane	ND	0.0027	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0027	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0027	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0067	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0027	mg/kg	
75 35 4	1,1 Dichloroethene	ND	0.0027	mg/kg	
156 59 2	cis 1,2-Dichloroethene	ND	0.0027	mg/kg	
156 60 5	trans 1,2 Dichloroethene	ND	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8260C	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.60

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2-Dichloropropane	ND	0.0027	mg/kg	
142 28 9	1,3 Dichloropropane	ND	0.0067	mg kg	
594 20 7	2,2 Dichloropropane	ND	0.0067	mg kg	
563 58 6	1,1-Dichloropropene	ND	0.0067	mg/kg	
10061 01 5	cis 1,3-Dichloropropene	ND	0.0027	mg/kg	
10061 02 6	trans-1,3 Dichloropropene	ND	0.0027	mg/kg	
123 91 1	1,4-Dioxane	ND	0.17	mg/kg	
60 29 7	Ethyl Ether	ND	0.0067	mg/kg	
100 41 4	Ethylbenzene	ND	0.0027	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0067	mg/kg	
591 78 6	2-Hexanone	ND	0.0067	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0067	mg/kg	
99 87 6	p Isopropyltoluene	ND	0.0067	mg/kg	
1634 04 4	Methyl Tert Butyl Ether	ND	0.0027	mg kg	
108 10 1	4 Methyl 2 pentanone (MIBK)	ND	0.0067	mg/kg	
74 95 3	Methylene bromide	ND	0.0067	mg/kg	
75 09 2	Methylene chloride	ND	0.0027	mg/kg	
91 20 3	Naphthalene	ND	0.0067	mg/kg	
103 65 1	n Propylbenzene	ND	0.0067	mg kg	
100 42 5	Styrene	ND	0.0067	mg/kg	
994 05 8	tert Amyl Methyl Ether	ND	0.0067	mg kg	
637 92 3	tert Butyl Ethyl Ether	ND	0.0027	mg kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0027	mg kg	
79 34 5	1,1,2,2 Tetrachloroethane	ND	0.0067	mg kg	
127 18 4	Tetrachloroethene	ND	0.0027	mg kg	
109 99 9	Tetrahydrofuran	ND	0.013	mg/kg	
108 88 3	Toluene	ND	0.0067	mg kg	
87 61 6	1,2,3 Trichlorobenzene	ND	0.0067	mg kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.0067	mg/kg	
71 55 6	1,1,1-Trichloroethane	ND	0.0027	mg/kg	
79 00 5	1,1,2 Trichloroethane	ND	0.0027	mg kg	
79 01 6	Trichloroethene	ND	0.0027	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0027	mg kg	
96 18 4	1,2,3-Trichloropropane	ND	0.0067	mg/kg	
95 63 6	1,2,4 Trimethylbenzene	ND	0.0067	mg/kg	
108 67 8	1,3,5-Trimethylbenzene	ND	0.0067	mg/kg	
75 01 4	Vinyl chloride	ND	0.013	mg/kg	
	m,p Xylene	0.0045	0.0027	mg kg	
95 47 6	o-Xylene	ND	0.0027	mg/kg	
1330 20 7	Xylene (total)	0.0063	0.0027	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink @ 11:46 11 Apr 2017

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.60

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	151% [b]	167% [b]	65-141%
2037 26 5	Toluene D8	111%	111%	65 129%
460 00 4	4 Bromofluorobenzene	116%	119%	63 137%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP		
Lab Sample ID:	MC49976-60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51617.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51627.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2	20.9 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	0.756	0.11	mg/kg	
208-96-8	Acenaphthylene	ND	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	1.75	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	4.83	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	5.22	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	4.09	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	2.86	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	3.45	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	4.65	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121 14 2	2,4 Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53 70 3	Dibenzo(a,h)anthracene	1.05	0.11	mg/kg	
132-64-9	Dibenzofuran	0.294	0.11	mg/kg	
84 74 2	Di-n butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131 11 3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	10.7 [b]	0.57	mg/kg	
86 73 7	Fluorene	0.537	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67 72 1	Hexachloroethane	ND	0.29	mg/kg	
193 39-5	Indeno(1,2,3 cd)pyrene	3.21	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91 57 6	2 Methylnaphthalene	0.133	0.11	mg/kg	
91-20-3	Naphthalene	0.158	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85 01 8	Phenanthrene	7.19	0.11	mg/kg	
129-00-0	Pyrene	10.1 [b]	0.57	mg/kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%	83%	25-109%
4165-62-2	Phenol-d5	84%	81%	29-113%
118-79-6	2,4,6-Tribromophenol	91%	94%	20-141%
4165-60-0	Nitrobenzene-d5	77%	78%	27-115%
321 60 8	2 Fluorobiphenyl	83%	84%	34 118%
1718-51-0	Terphenyl-d14	94%	99%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID	PC 15 0 15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	83.7
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976-60	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79875.D	1	03/30/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.88 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64 127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54538.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.6 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00 2	Aldrin	ND	0.0058	mg/kg	
319-84-6	alpha-BHC	ND	0.0058	mg/kg	
319-85-7	beta-BHC	ND	0.0058	mg/kg	
319-86-8	delta-BHC	ND	0.0058	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.058	mg/kg	
60-57-1	Dieldrin	ND	0.0058	mg/kg	
72-54 8	4,4' DDD	ND	0.0058	mg/kg	
72-55-9	4,4'-DDE	ND	0.0058	mg/kg	
50-29-3	4,4'-DDT	ND	0.0058	mg/kg	
72-20-8	Endrin	ND	0.0058	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0058	mg/kg	
959-98 8	Endosulfan-I	ND	0.0058	mg/kg	
33213-65-9	Endosulfan II	ND	0.0058	mg/kg	
76-44 8	Heptachlor	ND	0.0058	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0058	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0058	mg/kg	
72-43 5	Methoxychlor	ND	0.0058	mg/kg	
53494-70-5	Endrin ketone	ND	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09 8	Tetrachloro-m-xylene	47%		10-143%
877-09 8	Tetrachloro-m-xylene	65%		10-143%
2051-24-3	Decachlorobiphenyl	53%		10-172%
2051-24-3	Decachlorobiphenyl	175% [a]		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976-60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65092.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.6 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.029	mg/kg	
11141-16-5	Aroclor 1232	ND	0.029	mg/kg	
53469-21-9	Aroclor 1242	ND	0.029	mg/kg	
12672-29-6	Aroclor 1248	ND	0.029	mg/kg	
11097-69-1	Aroclor 1254	ND	0.029	mg/kg	
11096-82-5	Aroclor 1260	ND	0.029	mg/kg	
37324-23-5	Aroclor 1262	ND	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		25-145%
877 09-8	Tetrachloro m xylene	55%		25 145%
2051-24-3	Decachlorobiphenyl	83%		25-179%
2051-24-3	Decachlorobiphenyl	64%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 8151/3550C	Percent Solids:	83.7
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3G107680.D	1	04/06/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2							

	Initial Weight	Final Volume
Run #1	15 8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0038	mg/kg	
93-76 5	2,4,5-T	ND	0.0038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719 28 9	2,4-DCAA	65%		10-159%
19719 28 9	2,4 DCAA	39%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.60 4

Report of Analysis

Client Sample ID:	PC 15 0 15' COMP		
Lab Sample ID:	MC49976 60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4508.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	976	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	117%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.60 4

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP		
Lab Sample ID:	MC49976-60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.60
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	5.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Barium [a]	59.1	5.9	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	20.1	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	72.6	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Mercury [a]	0.20	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [3]
Selenium [a]	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	<0.59	0.59	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Prep QC Batch: N:MP99635
(4) Prep QC Batch: N:MP99640

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-15 0-15' COMP		
Lab Sample ID:	MC49976-60	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	83.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.60
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:39	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	83.7		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	330	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.51		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 16A 0 5'		
Lab Sample ID:	MC49976 61	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.6
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.61

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	1270	4.7	mg/kg	2	04/02/17	04/05/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41719
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 16B 0 5'		
Lab Sample ID:	MC49976 62	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.62

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	1190	4.8	mg/kg	2	04/02/17	04/05/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41719
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-16C 0-5'		
Lab Sample ID:	MC49976-63	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	80.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.63

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	70.0	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-16 0-5' COMP		
Lab Sample ID:	MC49976-64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83337.D	1	04/03/17	DRY	n/a	n/a	MSM3004
Run #2 [a]	M83341.D	1	04/03/17	DRY	n/a	n/a	MSM3004

	Initial Weight	Final Volume
Run #1	4.99 g	5.0 ml
Run #2	5.16 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0587	0.012	mg/kg	
71-43-2	Benzene	ND	0.00061	mg/kg	
108-86-1	Bromobenzene	ND	0.0061	mg/kg	
74-97-5	Bromochloromethane	ND	0.0061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0025	mg/kg	
75-25-2	Bromoform	ND	0.0025	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0061	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0061	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0061	mg/kg	
75-15-0	Carbon disulfide	ND	0.0061	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0025	mg/kg	
108-90-7	Chlorobenzene	ND	0.0025	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0025	mg/kg	
74-87-3	Chloromethane	ND	0.0061	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0061	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0061	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0025	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0061	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0025	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0025	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0025	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0025	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0025	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0061	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0025	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0025	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0025	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0025	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03 28 17
Matrix:	SO - Soil	Date Received:	03 29 17
Method	SW846 8260C	Percent Solids:	81.5
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0 0025	mg kg	
142-28 9	1,3-Dichloropropane	ND	0.0061	mg/kg	
594 20 7	2,2 Dichloropropane	ND	0.0061	mg kg	
563 58 6	1,1-Dichloropropene	ND	0.0061	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0025	mg/kg	
10061-02-6	trans-1,3 Dichloropropene	ND	0.0025	mg/kg	
123 91-1	1,4-Dioxane	ND	0.15	mg/kg	
60 29 7	Ethyl Ether	ND	0.0061	mg/kg	
100 41 4	Ethylbenzene	0.0240	0.0025	mg kg	
87 68 3	Hexachlorobutadiene	ND	0.0061	mg kg	
591-78 6	2 Hexanone	ND	0.0061	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0061	mg/kg	
99 87-6	p Isopropyltoluene	ND	0.0061	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0025	mg/kg	
108-10-1	4-Methyl 2-pentanone (MIBK)	ND	0.0061	mg/kg	
74-95-3	Methylene bromide	ND	0.0061	mg/kg	
75 09 2	Methylene chloride	ND	0.0025	mg kg	
91-20 3	Naphthalene	ND	0.0061	mg/kg	
103 65 1	n Propylbenzene	ND	0.0061	mg kg	
100 42 5	Styrene	ND	0.0061	mg/kg	
994 05 8	tert-Amyl Methyl Ether	ND	0.0061	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0025	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0025	mg kg	
79 34 5	1,1,2,2-Tetrachloroethane	ND	0.0061	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0025	mg kg	
109 99 9	Tetrahydrofuran	ND	0.012	mg kg	
108 88 3	Toluene	ND	0.0061	mg kg	
87-61 6	1,2,3-Trichlorobenzene	ND	0.0061	mg/kg	
120 82-1	1,2,4-Trichlorobenzene	ND	0.0061	mg/kg	
71-55 6	1,1,1-Trichloroethane	ND	0.0025	mg/kg	
79 00 5	1,1,2-Trichloroethane	ND	0.0025	mg/kg	
79 01 6	Trichloroethene	ND	0.0025	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0025	mg/kg	
96 18 4	1,2,3-Trichloropropane	ND	0.0061	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0061	mg/kg	
108 67 8	1 3 5 Trimethylbenzene	ND	0 0061	mg kg	
75 01-4	Vinyl chloride	ND	0.012	mg/kg	
	m,p Xylene	0.121	0 0025	mg kg	
95 47 6	o-Xylene	0.0344	0.0025	mg/kg	
1330 20-7	Xylene (total)	0.155	0.0025	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5 COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03 29 17
Method:	SW846 8260C	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868 53 7	Dibromofluoromethane	167% c	171% c	65 141%
2037-26-5	Toluene-D8	113%	113%	65-129%
460 00 4	4 Bromofluorobenzene	168% c	168% c	63 137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51618.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.59	mg/kg	
95 57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.59	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.59	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.59	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.59	mg/kg	
95-48-7	2-Methylphenol	ND	0.59	mg/kg	
	3&4-Methylphenol	ND	0.59	mg/kg	
88-75-5	2-Nitrophenol	ND	0.59	mg/kg	
100-02-7	4-Nitrophenol	ND	0.59	mg/kg	
87 86 5	Pentachlorophenol	ND	0.59	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.59	mg/kg	
88 06-2	2,4,6-Trichlorophenol	ND	0.59	mg/kg	
83-32-9	Acenaphthene	ND	0.12	mg/kg	
208-96-8	Acenaphthylene	ND	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.59	mg/kg	
62-53-3	Aniline	ND	0.59	mg/kg	
120 12 7	Anthracene	ND	0.12	mg/kg	
56-55-3	Benzo(a)anthracene	0.314	0.12	mg/kg	
50-32-8	Benzo(a)pyrene	0.374	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.297	0.12	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.256	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.295	0.12	mg/kg	
101 55 3	4 Bromophenyl phenyl ether	ND	0.29	mg/kg	
85 68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.59	mg/kg	
218-01-9	Chrysene	0.349	0.12	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44 4	bis(2 Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122 66 7	1,2 Diphenylhydrazine	ND	0.29	mg/kg	
541 73 1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.59	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.59	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.59	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.12	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	0.541	0.12	mg/kg	
86-73-7	Fluorene	ND	0.12	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.59	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	mg/kg	
91-20-3	Naphthalene	ND	0.12	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86 30-6	N Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	0.409	0.12	mg/kg	
129-00-0	Pyrene	0.528	0.12	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		25-109%
4165-62-2	Phenol-d5	80%		29-113%
118-79-6	2,4,6-Tribromophenol	89%		20-141%
4165-60 0	Nitrobenzene-d5	78%		27-115%
321-60-8	2-Fluorobiphenyl	82%		34-118%
1718 51 0	Terphenyl d14	88%		42 139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5 COMP		
Lab Sample ID:	MC 49976 64	Date Sampled:	03 28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	81.5
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 16 0 5 COMP		
Lab Sample ID:	MC49976-64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79876.D	1	03/31/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.3 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-16 0-5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54539.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0059	mg/kg	
319-84-6	alpha-BHC	ND	0.0059	mg/kg	
319-85-7	beta-BHC	ND	0.0059	mg/kg	
319-86-8	delta-BHC	ND	0.0059	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.059	mg/kg	
60-57-1	Dieldrin	ND	0.0059	mg/kg	
72-54-8	4,4'-DDD	ND	0.0059	mg/kg	
72-55-9	4,4'-DDE	ND	0.0059	mg/kg	
50-29-3	4,4'-DDT	ND	0.0059	mg/kg	
72-20-8	Endrin	ND	0.0059	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0059	mg/kg	
959-98-8	Endosulfan-I	ND	0.0059	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0059	mg/kg	
76-44-8	Heptachlor	ND	0.0059	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0059	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0059	mg/kg	
72-43-5	Methoxychlor	ND	0.0059	mg/kg	
53494-70-5	Endrin ketone	ND	0.0059	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		10-143%
877-09-8	Tetrachloro-m-xylene	66%		10-143%
2051-24-3	Decachlorobiphenyl	46%		10-172%
2051-24-3	Decachlorobiphenyl	88%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.64

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-16 0 5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65093.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.030	mg/kg	
11141-16-5	Aroclor 1232	ND	0.030	mg/kg	
53469-21-9	Aroclor 1242	ND	0.030	mg/kg	
12672-29-6	Aroclor 1248	ND	0.030	mg/kg	
11097-69-1	Aroclor 1254	ND	0.030	mg/kg	
11096-82-5	Aroclor 1260	ND	0.030	mg/kg	
37324-23-5	Aroclor 1262	ND	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		25-145%
877-09-8	Tetrachloro-m-xylene	57%		25-145%
2051-24-3	Decachlorobiphenyl	79%		25-179%
2051-24-3	Decachlorobiphenyl	67%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.64

Report of Analysis

Client Sample ID:	PC-16 0 5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	81.5
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3G107747.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0038	mg/kg	
93-76-5	2,4,5-T	ND	0.0038	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	82%		10-159%
19719-28-9	2,4-DCAA	111%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.64

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Page 1 of 1

Client Sample ID:	PC 16 0 5' COMP		
Lab Sample ID:	MC49976 64	Date Sampled:	03 28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4509.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	59.0	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

4.64

Report of Analysis

Client Sample ID:	PC-16 0-5' COMP		
Lab Sample ID:	MC49976-64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	10.7	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Barium [a]	131	6.1	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	<0.61	0.61	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	25.9	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Lead [a]	516	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Mercury [a]	0.40	0.038	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.5	2.5	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Silver [a]	<0.61	0.61	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Instrument QC Batch: N:MA41719
(4) Prep QC Batch: N:MP99635
(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-16 0-5' COMP		
Lab Sample ID:	MC49976-64	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.5
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.64

4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:43	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	81.5		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	113	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	6.22		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 17A 0 5'		
Lab Sample ID:	MC49976-65	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.65

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	31.4	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 17B 0 5'		
Lab Sample ID:	MC49976-66	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.8
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.66

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	44.1	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 17C 0 5'		
Lab Sample ID:	MC49976 67	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	25.6	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83338.D	1	04/03/17	DRY	n/a	n/a	MSM3004
Run #2 [a]	M83342.D	1	04/03/17	DRY	n/a	n/a	MSM3004

	Initial Weight	Final Volume
Run #1	5.04 g	5.0 ml
Run #2	4.82 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone [b]	0.0686	0.012	mg/kg	
71-43-2	Benzene	ND	0.00058	mg/kg	
108 86 1	Bromobenzene	ND	0.0058	mg/kg	
74 97 5	Bromochloromethane	ND	0.0058	mg/kg	
75 27 4	Bromodichloromethane	ND	0.0023	mg/kg	
75-25-2	Bromoform	ND	0.0023	mg/kg	
74-83-9	Bromomethane	ND	0.012	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.012	mg/kg	
104 51 8	n Butylbenzene	ND	0.0058	mg/kg	
135 98 8	sec-Butylbenzene	ND	0.0058	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0058	mg/kg	
75-15-0	Carbon disulfide	ND	0.0058	mg/kg	
56 23 5	Carbon tetrachloride	ND	0.0023	mg/kg	
108 90 7	Chlorobenzene	ND	0.0023	mg/kg	
75-00-3	Chloroethane	ND	0.012	mg/kg	
67-66-3	Chloroform	ND	0.0023	mg/kg	
74-87-3	Chloromethane	ND	0.0058	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0058	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0058	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0058	mg/kg	
124 48 1	Dibromochloromethane	ND	0.0023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0023	mg/kg	
541 73 1	1,3-Dichlorobenzene	ND	0.0023	mg/kg	
106-46 7	1,4 Dichlorobenzene	ND	0.0023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0058	mg/kg	
75-34 3	1,1 Dichloroethane	ND	0.0023	mg/kg	
107 06 2	1,2 Dichloroethane	ND	0.0023	mg/kg	
75 35-4	1,1 Dichloroethene	ND	0.0023	mg/kg	
156 59 2	cis 1,2 Dichloroethene	ND	0.0023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0 5' COMP		
Lab Sample ID:	MC49976 68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8260C	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78 87 5	1,2 Dichloropropane	ND	0.0023	mg kg	
142 28 9	1,3 Dichloropropane	ND	0.0058	mg kg	
594 20 7	2,2 Dichloropropane	ND	0.0058	mg kg	
563 58 6	1,1-Dichloropropene	ND	0.0058	mg/kg	
10061 01 5	cis 1,3 Dichloropropene	ND	0.0023	mg/kg	
10061 02 6	trans-1,3 Dichloropropene	ND	0.0023	mg/kg	
123 91 1	1,4-Dioxane	ND	0.14	mg/kg	
60 29 7	Ethyl Ether	ND	0.0058	mg/kg	
100 41 4	Ethylbenzene	ND	0.0023	mg/kg	
87 68 3	Hexachlorobutadiene	ND	0.0058	mg/kg	
591 78 6	2 Hexanone	ND	0.0058	mg/kg	
98 82 8	Isopropylbenzene	ND	0.0058	mg/kg	
99 87 6	p Isopropyltoluene	ND	0.0058	mg/kg	
1634 04 4	Methyl Tert Butyl Ether	ND	0.0023	mg/kg	
108 10 1	4 Methyl 2 pentanone (MIBK)	ND	0.0058	mg kg	
74 95 3	Methylene bromide	ND	0.0058	mg kg	
75 09 2	Methylene chloride	ND	0.0023	mg kg	
91 20 3	Naphthalene	0.0117	0.0058	mg kg	
103 65 1	n Propylbenzene	ND	0.0058	mg kg	
100 42 5	Styrene	ND	0.0058	mg/kg	
994 05 8	tert-Amyl Methyl Ether	ND	0.0058	mg/kg	
637 92 3	tert Butyl Ethyl Ether	ND	0.0023	mg/kg	
630 20 6	1,1,1,2 Tetrachloroethane	ND	0.0023	mg kg	
79 34 5	1,1,2,2-Tetrachloroethane	ND	0.0058	mg/kg	
127 18 4	Tetrachloroethene	ND	0.0023	mg kg	
109 99 9	Tetrahydrofuran	ND	0.012	mg/kg	
108 88 3	Toluene	ND	0.0058	mg/kg	
87 61 6	1,2,3 Trichlorobenzene	ND	0.0058	mg kg	
120 82 1	1,2,4 Trichlorobenzene	ND	0.0058	mg kg	
71 55 6	1,1,1-Trichloroethane	ND	0.0023	mg/kg	
79 00 5	1,1,2-Trichloroethane	ND	0.0023	mg/kg	
79 01 6	Trichloroethene	ND	0.0023	mg/kg	
75 69 4	Trichlorofluoromethane	ND	0.0023	mg kg	
96 18 4	1,2,3-Trichloropropane	ND	0.0058	mg/kg	
95 63 6	1,2,4-Trimethylbenzene	ND	0.0058	mg/kg	
108 67 8	1,3,5 Trimethylbenzene	ND	0 0058	mg kg	
75 01 4	Vinyl chloride	ND	0.012	mg kg	
	m,p-Xylene	ND	0.0023	mg/kg	
95 47 6	o Xylene	ND	0.0023	mg/kg	
1330 20 7	Xylene (total)	ND	0.0023	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP		
Lab Sample ID:	MC49976 68	Date Sampled:	03 28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

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4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	156% c	165% c	65-141%
2037-26-5	Toluene-D8	109%	112%	65-129%
460 00 4	4-Bromofluorobenzene	128%	116%	63-137%

(a) Confirmation run.
(b) Initial and Continuing Calibration Verification outside of acceptance criteria. Result may be biased high.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51619.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.57	mg/kg	
95-57-8	2-Chlorophenol	ND	0.29	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.57	mg/kg	
120-83-2	2,4 Dichlorophenol	ND	0.57	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.57	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.57	mg/kg	
95-48-7	2-Methylphenol	ND	0.57	mg/kg	
	3&4-Methylphenol	ND	0.57	mg/kg	
88-75-5	2-Nitrophenol	ND	0.57	mg/kg	
100-02-7	4-Nitrophenol	ND	0.57	mg/kg	
87-86-5	Pentachlorophenol	ND	0.57	mg/kg	
108-95-2	Phenol	ND	0.29	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.57	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.57	mg/kg	
83-32-9	Acenaphthene	0.713	0.11	mg/kg	
208-96-8	Acenaphthylene	0.140	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.57	mg/kg	
62-53-3	Aniline	ND	0.57	mg/kg	
120-12-7	Anthracene	1.43	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	3.28	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	3.40	0.29	mg/kg	
205-99-2	Benzo(b)fluoranthene	2.73	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.72	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	2.37	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.29	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.29	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.29	mg/kg	
106-47-8	4-Chloroaniline	ND	0.57	mg/kg	
218-01-9	Chrysene	3.10	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.29	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.29	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.29	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.29	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.29	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.29	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.29	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.57	mg/kg	
606-20-2	2,6 Dinitrotoluene	ND	0.57	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.57	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.651	0.11	mg/kg	
132-64-9	Dibenzofuran	0.368	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.29	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.29	mg/kg	
84-66-2	Diethyl phthalate	ND	0.29	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.29	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.29	mg/kg	
206-44-0	Fluoranthene	6.60	0.11	mg/kg	
86-73-7	Fluorene	0.575	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.29	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.29	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.57	mg/kg	
67-72-1	Hexachloroethane	ND	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.88	0.29	mg/kg	
78-59-1	Isophorone	ND	0.29	mg/kg	
91-57-6	2-Methylnaphthalene	0.218	0.11	mg/kg	
91-20-3	Naphthalene	0.264	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.29	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.29	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.29	mg/kg	
85-01-8	Phenanthrene	5.65	0.11	mg/kg	
129-00-0	Pyrene	6.29	0.11	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		25-109%
4165-62-2	Phenol-d5	78%		29-113%
118-79-6	2,4,6-Tribromophenol	86%		20-141%
4165-60-0	Nitrobenzene-d5	71%		27-115%
321-60-8	2-Fluorobiphenyl	78%		34-118%
1718-51-0	Terphenyl d14	85%		42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0 5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	85.9
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.

4.68

4

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79877.D	1	03/31/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.28 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	7.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64-127%

4.68

4

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54540.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4' DDD	ND	0.0056	mg/kg	
72-55-9	4,4' DDE	ND	0.0056	mg/kg	
50-29-3	4,4' DDT	0.0082	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan-I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		10-143%
877-09-8	Tetrachloro-m-xylene	73%		10-143%
2051-24-3	Decachlorobiphenyl	54%		10-172%
2051-24-3	Decachlorobiphenyl	174% [a]		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65094.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.7 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		25-145%
877-09-8	Tetrachloro-m-xylene	57%		25-145%
2051-24-3	Decachlorobiphenyl	89%		25-179%
2051-24-3	Decachlorobiphenyl	67%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 3546	Percent Solids:	85.9
Project	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3G107748.D	1	04/10/17	ANJ	04/08/17	N:OP1744	N:G3G3757
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.019	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	83%		10-159%
		109%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-17 0-5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015 SW846 3546	Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4510.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	183	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.68 4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.1	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Barium [a]	36.9	5.8	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	<0.58	0.58	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	14.6	1.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Lead [a]	53.6	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Mercury [a]	0.11	0.039	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Silver [a]	<0.58	0.58	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Instrument QC Batch: N:MA41719
(4) Prep QC Batch: N:MP99635
(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 17 0 5' COMP		
Lab Sample ID:	MC49976-68	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.9
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.68 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:55	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	85.9		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	157	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	6.89		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-18A 0-5'		
Lab Sample ID:	MC49976-69	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	86.3
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.69

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	62.9	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	PC-18B 0-5'		
Lab Sample ID:	MC49976-70	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	85.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.70

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	293	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-18C 0-5'		
Lab Sample ID:	MC49976-71	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	84.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.71

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	64.6	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-18 0-5' COMP		
Lab Sample ID:	MC49976 72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83320.D	1	03/31/17	DRY	n/a	n/a	MSM3003
Run #2 [a]	M83319.D	1	03/31/17	DRY	n/a	n/a	MSM3003

	Initial Weight	Final Volume
Run #1	5.13 g	5.0 ml
Run #2	5.52 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	0.011	mg/kg	
71-43-2	Benzene	ND	0.00055	mg/kg	
108-86-1	Bromobenzene	ND	0.0055	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	mg/kg	
75-25-2	Bromoform	ND	0.0022	mg/kg	
74-83-9	Bromomethane	ND	0.011	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0055	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0055	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0055	mg/kg	
75-15-0	Carbon disulfide	ND	0.0055	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	mg/kg	
75-00-3	Chloroethane	ND	0.011	mg/kg	
67-66-3	Chloroform	ND	0.0022	mg/kg	
74-87-3	Chloromethane	ND	0.0055	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0055	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0055	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0055	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0055	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0022	mg/kg	
541-73-1	1,3 Dichlorobenzene	ND	0.0022	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0055	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0022	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0022	mg/kg	
75-35-4	1,1 Dichloroethene	ND	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0022	mg/kg	
156-60-5	trans-1,2 Dichloroethene	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-18 0-5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72

4

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0022	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0055	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0055	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0055	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	mg/kg	
123-91-1	1,4-Dioxane	ND	0.14	mg/kg	
60-29-7	Ethyl Ether	ND	0.0055	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0055	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0055	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0055	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0022	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0055	mg/kg	
74-95-3	Methylene bromide	ND	0.0055	mg/kg	
75-09-2	Methylene chloride	ND	0.0022	mg/kg	
91-20-3	Naphthalene	0.0093	0.0055	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0055	mg/kg	
100-42-5	Styrene	ND	0.0055	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0055	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0022	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0055	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.011	mg/kg	
108-88-3	Toluene	ND	0.0055	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	mg/kg	
79-01-6	Trichloroethene	ND	0.0022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0022	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0055	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0055	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0055	mg/kg	
75-01-4	Vinyl chloride	ND	0.011	mg/kg	
	m,p-Xylene	ND	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0022	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-18 0-5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72

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VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	170% [b]	169% [b]	65-141%
2037-26-5	Toluene-D8	114%	110%	65-129%
460-00-4	4-Bromofluorobenzene	113%	100%	63-137%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 18 0 5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51620.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51628.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

	Initial Weight	Final Volume
Run #1	20.7 g	1.0 ml
Run #2	20.7 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.55	mg/kg	
95-57-8	2-Chlorophenol	ND	0.27	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.55	mg/kg	
120 83 2	2,4-Dichlorophenol	ND	0.55	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.55	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.55	mg/kg	
95 48 7	2-Methylphenol	ND	0.55	mg/kg	
	3&4-Methylphenol	ND	0.55	mg/kg	
88-75-5	2-Nitrophenol	ND	0.55	mg/kg	
100 02-7	4-Nitrophenol	ND	0.55	mg/kg	
87 86 5	Pentachlorophenol	ND	0.55	mg/kg	
108-95-2	Phenol	ND	0.27	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.55	mg/kg	
88 06 2	2,4,6-Trichlorophenol	ND	0.55	mg/kg	
83-32-9	Acenaphthene	1.31	0.11	mg/kg	
208-96-8	Acenaphthylene	0.577	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.55	mg/kg	
62-53-3	Aniline	ND	0.55	mg/kg	
120-12-7	Anthracene	4.08	0.11	mg/kg	
56 55 3	Benzo(a)anthracene	7.62	0.11	mg/kg	
50 32 8	Benzo(a)pyrene	7.01	0.27	mg/kg	
205-99-2	Benzo(b)fluoranthene	6.39	0.11	mg/kg	
191-24 2	Benzo(g,h,i)perylene	3.25	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	4.81	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.27	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.27	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.27	mg/kg	
106-47-8	4-Chloroaniline	ND	0.55	mg/kg	
218-01-9	Chrysene	6.88	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.27	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.27	mg/kg	
108 60-1	bis(2-Chloroisopropyl)ether	ND	0.27	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 18 0 5' COMP		
Lab Sample ID:	MC49976 72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.27	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.27	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.27	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.27	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.55	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.55	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.55	mg/kg	
53 70 3	Dibenzo(a,h)anthracene	1.25	0.11	mg/kg	
132-64-9	Dibenzofuran	0.959	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.27	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.27	mg/kg	
84-66-2	Diethyl phthalate	ND	0.27	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.27	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.27	mg/kg	
206 44 0	Fluoranthene	19.1 [b]	0.55	mg/kg	
86-73-7	Fluorene	1.51	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.27	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.27	mg/kg	
77 47 4	Hexachlorocyclopentadiene	ND	0.55	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3.74	0.27	mg/kg	
78-59-1	Isophorone	ND	0.27	mg/kg	
91 57 6	2-Methylnaphthalene	0.384	0.11	mg/kg	
91-20-3	Naphthalene	0.802	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.27	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.27	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.27	mg/kg	
85 01 8	Phenanthrene	14.9 [b]	0.55	mg/kg	
129 00 0	Pyrene	15.7 [b]	0.55	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.27	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	78%	25-109%
4165-62-2	Phenol-d5	75%	74%	29-113%
118-79-6	2,4,6-Tribromophenol	74%	74%	20-141%
4165-60-0	Nitrobenzene-d5	70%	69%	27-115%
321-60-8	2-Fluorobiphenyl	75%	72%	34-118%
1718-51-0	Terphenyl-d14	81%	86%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 18 0 5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	88.0
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72

4

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 18 0 5' COMP		
Lab Sample ID:	MC49976 72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8015	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79878.D	1	03/31/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.6 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-18 0-5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8081B SW846 3546	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54543.D	1	04/05/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0056	mg/kg	
319-84-6	alpha-BHC	ND	0.0056	mg/kg	
319-85-7	beta-BHC	ND	0.0056	mg/kg	
319-86-8	delta-BHC	ND	0.0056	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.056	mg/kg	
60-57-1	Dieldrin	ND	0.0056	mg/kg	
72-54-8	4,4'-DDD	ND	0.0056	mg/kg	
72-55-9	4,4'-DDE	ND	0.0056	mg/kg	
50-29-3	4,4'-DDT	0.0163	0.0056	mg/kg	
72-20-8	Endrin	ND	0.0056	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0056	mg/kg	
959-98-8	Endosulfan I	ND	0.0056	mg/kg	
33213-65-9	Endosulfan II	ND	0.0056	mg/kg	
76-44-8	Heptachlor	ND	0.0056	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0056	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0056	mg/kg	
72-43-5	Methoxychlor	ND	0.0056	mg/kg	
53494-70-5	Endrin ketone	ND	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	48%		10-143%
877-09-8	Tetrachloro-m-xylene	68%		10-143%
2051-24-3	Decachlorobiphenyl	82%		10-172%
2051-24-3	Decachlorobiphenyl	474% [a]		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 18 0 5' COMP		
Lab Sample ID:	MC49976 72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8082A SW846 3546	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65096.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.028	mg/kg	
12672-29-6	Aroclor 1248	ND	0.028	mg/kg	
11097-69-1	Aroclor 1254	ND	0.028	mg/kg	
11096-82-5	Aroclor 1260	ND	0.028	mg/kg	
37324-23-5	Aroclor 1262	ND	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.028	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		25-145%
877-09-8	Tetrachloro-m-xylene	54%		25-145%
2051-24-3	Decachlorobiphenyl	92%		25-179%
2051-24-3	Decachlorobiphenyl	66%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-18 0-5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8151 SW846 8151/3550C	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3G107683.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	51%		10-159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.72
4

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-18 0-5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4512.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	311	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	110%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4.72
4

Report of Analysis

Client Sample ID:	PC 18 0 5' COMP		
Lab Sample ID:	MC49976 72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	7.0	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Barium [a]	103	5.7	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	<0.57	0.57	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	11.3	1.1	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Lead [a]	96.2	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Mercury [a]	0.038	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.3	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Silver [a]	<0.57	0.57	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Instrument QC Batch: N:MA41719
(4) Prep QC Batch: N:MP99635
(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 18 0-5' COMP		
Lab Sample ID:	MC49976-72	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.72
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:46	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	88		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	326	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 04:13	ANJ	SW846 CHAP7/9034
pH [a]	7.77		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-19A 0-5'		
Lab Sample ID:	MC49976-73	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	88.0
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.73

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	85.4	2.3	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC-19B 0-5'		
Lab Sample ID:	MC49976-74	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	81.7
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.74

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	471	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PC 19C 0-5'		
Lab Sample ID:	MC49976-75	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	82.6
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.75
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	320	2.4	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: N:MA41707
(2) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.76
4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M83339.D	1	04/03/17	DRY	n/a	n/a	MSM3004
Run #2 [a]	M83343.D	1	04/03/17	DRY	n/a	n/a	MSM3004

	Initial Weight	Final Volume
Run #1	6.50 g	5.0 ml
Run #2	4.63 g	5.0 ml

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67 64-1	Acetone	ND	0.0088	mg/kg	
71-43-2	Benzene	ND	0.00044	mg/kg	
108-86-1	Bromobenzene	ND	0.0044	mg/kg	
74 97 5	Bromochloromethane	ND	0.0044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	mg/kg	
75-25-2	Bromoform	ND	0.0018	mg/kg	
74-83-9	Bromomethane	ND	0.0088	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0088	mg/kg	
104 51 8	n Butylbenzene	ND	0.0044	mg/kg	
135 98-8	sec Butylbenzene	ND	0.0044	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0044	mg/kg	
75-15-0	Carbon disulfide	ND	0.0044	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	mg/kg	
75-00-3	Chloroethane	ND	0.0088	mg/kg	
67 66-3	Chloroform	ND	0.0018	mg/kg	
74-87-3	Chloromethane	ND	0.0044	mg/kg	
95 49-8	o Chlorotoluene	ND	0.0044	mg/kg	
106-43 4	p Chlorotoluene	ND	0.0044	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0018	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	mg/kg	
106 93 4	1,2 Dibromoethane	ND	0.0018	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0018	mg/kg	
541 73 1	1,3 Dichlorobenzene	ND	0.0018	mg/kg	
106 46 7	1,4 Dichlorobenzene	ND	0.0018	mg/kg	
75 71 8	Dichlorodifluoromethane	ND	0.0044	mg/kg	
75 34 3	1,1 Dichloroethane	ND	0.0018	mg/kg	
107 06 2	1,2 Dichloroethane	ND	0.0018	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0018	mg/kg	
156 59 2	cis 1,2 Dichloroethene	ND	0.0018	mg/kg	
156 60 5	trans-1,2 Dichloroethene	ND	0.0018	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03-28-17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.76

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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0044	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0044	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0044	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	mg/kg	
123-91-1	1,4-Dioxane	ND	0.11	mg/kg	
60-29-7	Ethyl Ether	ND	0.0044	mg/kg	
100-41-4	Ethylbenzene	ND	0.0018	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0044	mg/kg	
591-78-6	2-Hexanone	ND	0.0044	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0044	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0044	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0018	mg/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0044	mg/kg	
74-95-3	Methylene bromide	ND	0.0044	mg/kg	
75-09-2	Methylene chloride	ND	0.0018	mg/kg	
91-20-3	Naphthalene	0.0085	0.0044	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0044	mg/kg	
100-42-5	Styrene	ND	0.0044	mg/kg	
994-05-8	tert-Amyl Methyl Ether	ND	0.0044	mg/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	0.0018	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0044	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0018	mg/kg	
109-99-9	Tetrahydrofuran	ND	0.0088	mg/kg	
108-88-3	Toluene	ND	0.0044	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0044	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0044	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	mg/kg	
79-01-6	Trichloroethene	ND	0.0018	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0018	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0044	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0044	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0044	mg/kg	
75-01-4	Vinyl chloride	ND	0.0088	mg/kg	
	m,p-Xylene	ND	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0018	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03-28-17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8260C	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.76

4

VOA MCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	156% [b]	157% [b]	65-141%
2037-26-5	Toluene-D8	112%	111%	65-129%
460-00-4	4-Bromofluorobenzene	103%	103%	63-137%

(a) Confirmation run.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03/28/17
Matrix:	SO Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R51621.D	1	04/05/17	DRY	03/31/17	OP49564	MSR1939
Run #2	R51629.D	5	04/05/17	DRY	03/31/17	OP49564	MSR1940

	Initial Weight	Final Volume
Run #1	20.8 g	1.0 ml
Run #2	20.8 g	1.0 ml

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	0.55	mg/kg	
95-57-8	2-Chlorophenol	ND	0.28	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.55	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.55	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.55	mg/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	0.55	mg/kg	
95-48-7	2-Methylphenol	ND	0.55	mg/kg	
	3&4-Methylphenol	ND	0.55	mg/kg	
88-75-5	2-Nitrophenol	ND	0.55	mg/kg	
100-02-7	4-Nitrophenol	ND	0.55	mg/kg	
87-86-5	Pentachlorophenol	ND	0.55	mg/kg	
108-95-2	Phenol	ND	0.28	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.55	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.55	mg/kg	
83-32-9	Acenaphthene	1.23	0.11	mg/kg	
208-96-8	Acenaphthylene	0.756	0.11	mg/kg	
98-86-2	Acetophenone	ND	0.55	mg/kg	
62-53-3	Aniline	ND	0.55	mg/kg	
120-12-7	Anthracene	3.72	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	9.24 [b]	0.55	mg/kg	
50-32-8	Benzo(a)pyrene	8.73	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	8.46	0.11	mg/kg	
191-24-2	Benzo(g,h,i)perylene	4.18	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	5.11	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.28	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.28	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.28	mg/kg	
106-47-8	4-Chloroaniline	ND	0.55	mg/kg	
218-01-9	Chrysene	8.49	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.28	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.28	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.28	mg/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP		
Lab Sample ID:	MC49976 76	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846 8270D SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.28	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.28	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.28	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.28	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.55	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.55	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.55	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.53	0.11	mg/kg	
132-64-9	Dibenzofuran	0.674	0.11	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.28	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.28	mg/kg	
84-66-2	Diethyl phthalate	ND	0.28	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.28	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.28	mg/kg	
206-44-0	Fluoranthene	20.6 [b]	0.55	mg/kg	
86-73-7	Fluorene	1.28	0.11	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.28	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.28	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.55	mg/kg	
67-72-1	Hexachloroethane	ND	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.71	0.28	mg/kg	
78-59-1	Isophorone	ND	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	0.280	0.11	mg/kg	
91-20-3	Naphthalene	0.491	0.11	mg/kg	
98-95-3	Nitrobenzene	ND	0.28	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.28	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.28	mg/kg	
85-01-8	Phenanthrene	13.2 [b]	0.55	mg/kg	
129-00-0	Pyrene	17.9 [b]	0.55	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%	77%	25-109%
4165-62-2	Phenol-d5	84%	82%	29-113%
118-79-6	2,4,6-Tribromophenol	77%	71%	20-141%
4165-60-0	Nitrobenzene-d5	78%	75%	27-115%
321-60-8	2-Fluorobiphenyl	82%	76%	34-118%
1718-51-0	Terphenyl-d14	85%	87%	42-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-19 0 5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03-28-17
Matrix:	SO - Soil	Date Received:	03/29/17
Method	SW846 8270D SW846 3546	Percent Solids:	87.2
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.76

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ABN MCP List

CAS No.	Compound	Result	RL	Units	Q

(a) Continuing Calibration outside of acceptance criteria. Meets MCP technical requirements.
(b) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-19 0 5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03-28-17
Matrix:	SO - Soil	Date Received:	03-29-17
Method:	SW846 8015	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.76

4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WX79879.D	1	03/31/17	AF	n/a	n/a	GWX3998
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.3 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4 Trifluorotoluene	104%		64-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP			
Lab Sample ID:	MC49976-76		Date Sampled:	03/28/17
Matrix:	SO - Soil		Date Received:	03/29/17
Method:	SW846 8081B SW846 3546		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE54544.D	1	04/05/17	AP	03/31/17	OP49567	GBE2736
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide MCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.0055	mg/kg	
319-84-6	alpha-BHC	ND	0.0055	mg/kg	
319-85-7	beta-BHC	ND	0.0055	mg/kg	
319-86-8	delta-BHC	ND	0.0055	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.0030	mg/kg	
12789-03-6	Chlordane	ND	0.055	mg/kg	
60-57-1	Dieldrin	ND	0.0055	mg/kg	
72-54-8	4,4'-DDD	ND	0.0055	mg/kg	
72-55-9	4,4'-DDE	ND	0.0055	mg/kg	
50-29-3	4,4'-DDT	0.0149	0.0055	mg/kg	
72-20-8	Endrin	ND	0.0055	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.0055	mg/kg	
959-98-8	Endosulfan-I	ND	0.0055	mg/kg	
33213-65-9	Endosulfan-II	ND	0.0055	mg/kg	
76-44-8	Heptachlor	ND	0.0055	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.0055	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0055	mg/kg	
72-43-5	Methoxychlor	ND	0.0055	mg/kg	
53494-70-5	Endrin ketone	ND	0.0055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		10-143%
877-09-8	Tetrachloro-m-xylene	58%		10-143%
2051-24-3	Decachlorobiphenyl	78%		10-172%
2051-24-3	Decachlorobiphenyl	374% [a]		10-172%

(a) Outside control limits due to possible matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP			
Lab Sample ID:	MC49976-76		Date Sampled:	03/28/17
Matrix:	SO - Soil		Date Received:	03/29/17
Method:	SW846 8082A SW846 3546		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK65097.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.027	mg/kg	
11104-28-2	Aroclor 1221	ND	0.027	mg/kg	
11141-16-5	Aroclor 1232	ND	0.027	mg/kg	
53469-21-9	Aroclor 1242	ND	0.027	mg/kg	
12672-29-6	Aroclor 1248	ND	0.027	mg/kg	
11097-69-1	Aroclor 1254	0.0319	0.027	mg/kg	
11096-82-5	Aroclor 1260	ND	0.027	mg/kg	
37324-23-5	Aroclor 1262	ND	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		25-145%
877-09-8	Tetrachloro-m-xylene	52%		25-145%
2051-24-3	Decachlorobiphenyl	95%		25-179%
2051-24-3	Decachlorobiphenyl	70%		25-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC-19 0 5' COMP		
Lab Sample ID	MC49976 76	Date Sampled:	03 28 17
Matrix	SO - Soil	Date Received:	03/29/17
Method	SW846 8151 SW846 8151/3550C	Percent Solids:	87.2
Project	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 a	3G107684.D	1	04/07/17	ANJ	04/05/17	N:OP1615	N:G3G3754
Run #2							

	Initial Weight	Final Volume
Run #1	15 7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75 7	2,4-D	ND	0.018	mg/kg	
93 72 1	2,4 5 TP (Silvex)	ND	0 0037	mg kg	
93-76 5	2,4,5-T	ND	0.0037	mg/kg	

CAS No	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719 28 9	2,4-DCAA	173% b		10 159%

(a) Analysis performed at SGS Accutest, Dayton, NJ.
(b) High percent recoveries and no positive found in the sample.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP		
Lab Sample ID:	MC49976 76	Date Sampled:	03 28 17
Matrix:	SO - Soil	Date Received:	03/29/17
Method:	SW846-8015 SW846 3546	Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR4513.D	1	04/05/17	AP	03/31/17	OP49565	GCR1276
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	345	18	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		17-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PC 19 0 5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	5.4	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Barium [a]	31.9	5.5	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	<0.55	0.55	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	11.9	1.1	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Lead [a]	151	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Mercury [a]	0.13	0.036	mg/kg	1	04/01/17	04/01/17	ANJ	SW846 7471B [1]	SW846 7471B [4]
Selenium [a]	<2.2	2.2	mg/kg	1	04/02/17	04/04/17	ANJ	SW846 6010C [2]	SW846 3050B [5]
Silver [a]	<0.55	0.55	mg/kg	1	04/02/17	04/05/17	ANJ	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: N:MA41691
(2) Instrument QC Batch: N:MA41707
(3) Instrument QC Batch: N:MA41719
(4) Prep QC Batch: N:MP99635
(5) Prep QC Batch: N:MP99641

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS Accutest LabLink@11:46 11-Apr-2017

Report of Analysis

Client Sample ID:	PC-19 0-5' COMP		
Lab Sample ID:	MC49976-76	Date Sampled:	03/28/17
Matrix:	SO - Soil	Date Received:	03/29/17
		Percent Solids:	87.2
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity [a]	<11	11	mg/kg	1	04/03/17 12:54	ANJ	SW846 CHAP7/9012 B
Ignitability (Flashpoint) [a]	>200		Deg. F	1	04/05/17 16:35	ANJ	SW846 1010A/ASTM D93
Solids, Percent [a]	87.2		%	1	04/03/17 19:15	ANJ	SM2540 G-97
Specific Conductivity [a]	186	7.5	umhos/cm	1	04/04/17 04:47	ANJ	SM2510B-11M/SW9050AM
Sulfide Reactivity [a]	<110	110	mg/kg	1	04/03/17 01:13	ANJ	SW846 CHAP7/9034
pH [a]	7.96		su	1	04/05/17 11:36	ANJ	SW846 9045D

(a) Analysis performed at SGS Accutest, Dayton, NJ.

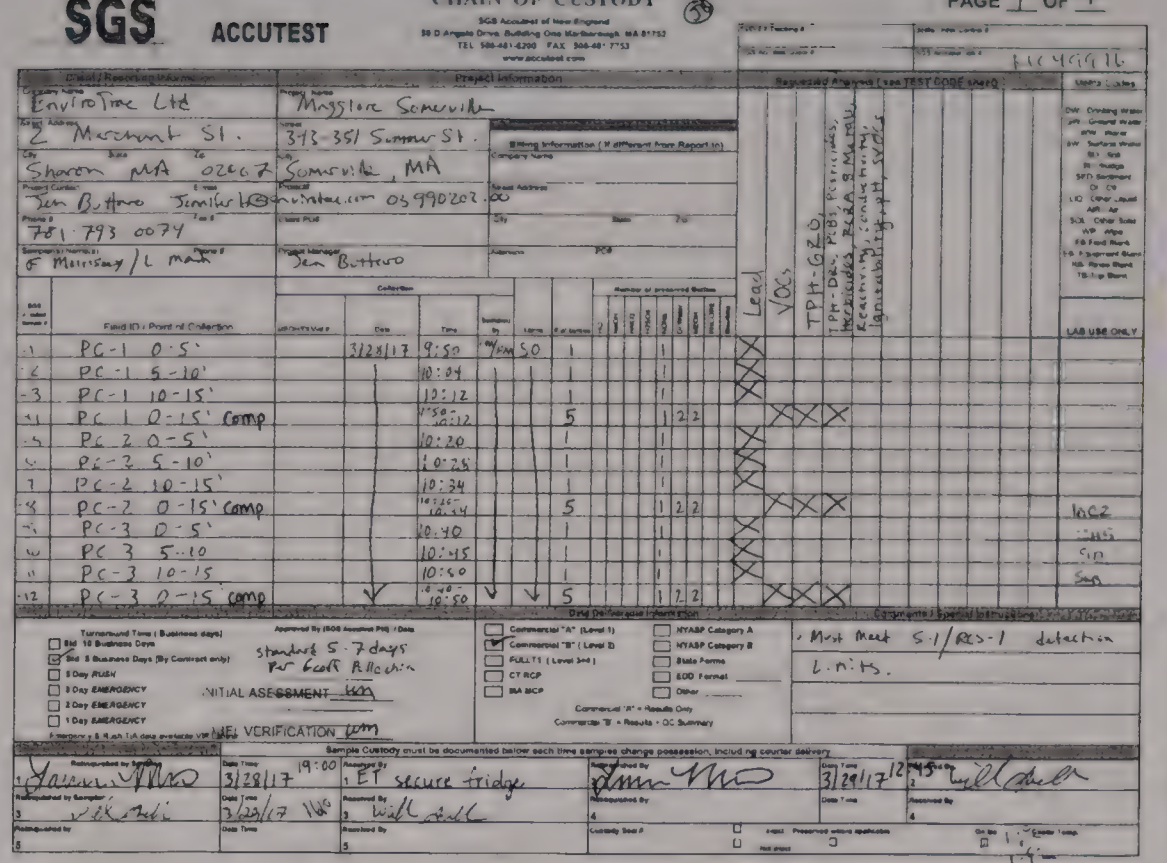
RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



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CHAIN OF CUSTODY

PAGE 1 OF 7

SGS Accutest of New England
30 D Ampato Drive, Building One Marlborough, MA 01752
TEL 508-481-6200 FAX 508-481-7753
www.accutest.com

Client / Reporting Information

Company Name: EnviroTrac Ltd
Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttaro Email: JenniferB@envirotrac.com Phone: 781-793 0074
Sampler(s) Name(s): E Morrissey / L Math

Project Information

Project Name: Mystique Somerville
Address: 343-351 Summer St.
City: Somerville, MA
Project #: 03990202.00
Project Manager: Jen Buttaro

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
PO #:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

Lead, VOCs, TPH-GRO, TPH-DRO, PIBs, Pesticides, Herbicides, PCBs & Metals, Reactivity, Corrosivity, Ignitability, pH, SVOCs

ACCT # / Label Barcode	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: Unpreserved	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MeOH	NaHSO4	DI Water	Other
-1	PC-1 0-5'	3/28/17	9:50	EM/LM	SO	1					1					
-2	PC-1 5-10'		10:04			1					1					
-3	PC-1 10-15'		10:12			1					1					
-4	PC-1 0-15' comp		9:50-10:12			5					1	2	2			
-5	PC-2 0-5'		10:20			1					1					
-6	PC-2 5-10'		10:28			1					1					
-7	PC-2 10-15'		10:34			1					1					
-8	PC-2 0-15' comp		10:20-10:34			5					1	2	2			
-9	PC-3 0-5'		10:40			1					1					
-10	PC 3 5-10		10:45			1					1					
-11	PC-3 10-15		10:50			1					1					
-12	PC-3 0-15 comp		10:40-10:50			5					1	2	2			

LAB USE ONLY: INCZ, HHS, Sip, Sag

Data Deliverable Information

Comments / Special Instructions

Turnaround Time (Business days)
- Std 10 Business Days
- Std 5 Business Days (By Contract only) — Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Scott Allocation
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY

Emergency & Rush T/A data available via LabLink

INITIAL ASESSMENT: HH

FAX VERIFICATION: EM

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Most Meet 5:1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1	3/28/17 19:00	1 ET secure fridge			
2				3/29/17 12:15	2
3	3/29/17 1145	3	3		3
4		4	4		4
5		5	Custody Seals #	Preserved where applicable	On Ice / Cooler Temp

MCP 99 to Chain of Custody
Page 1 of 8

CHAIN OF CUSTODY

SGS ACCUTEST

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

MC49976

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St
City: Sharon State: MA Zip: 02067
Project Contact: Jen Butturo Email: JenButturo@envirotrac.com
Phone #: (781) 793-0074 Fax #:
Sampler(s) Name(s): F. Morrissey / L. Marin Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St
City: Somerville, MA State:
Project #: 03.99CABC.00
Client PO#:
Project Manager: Jen Butturo

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Lead, VOCs, TPH-GRO, TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, conductivity, Ignitability, pH, SVOCs

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

LAB USE ONLY

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI vol #	Date	Time	Sampled by	Matrix	# of bottles	HCl	H2SO4	HNO3	NaOH	DI Water	MEOH	ENCORE	Bottle Id
13	PC-4 0-5'		3/28/17	11:00	LM/FM	SO	1				1				
14	PC-4 5-16'			11:03			1				1				
15	PC-4 10-15'			11:14			1				1				
16	PC-4 0-15' comp			11:04-11:14			5				1	2	2		
17	PC-5 0-5'			11:30			1				1				
18	PC-5 5-10'			11:33			1				1				
19	PC-5 10-15'			11:45			1				1				
20	PC-6 0-15' comp			11:30-11:45			5				1	2	2		
21	PC-6 0-5'			11:50			1				1				
22	PC-6 5-10'			11:55			1				1				
23	PC-6 10-15'			12:00			1				1				
24	PC-6 0-15' comp			11:55-12:00			5				1	2	2		

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pellechia

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

* Must meet S-1/RCS-1 detection limits

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 ET secure fridge		3/29/17 12:45	2 Will Orell
2						
3	Will Orell	3/29/17 1130	3 Will Orell			
4						
5						

Custody Seal #: Intact / Not Intact / Preserved where applicable: No

On Ice: ☑ Cooler Temp: 1.6° 1.6°

SGS ACCUTEST

CHAIN OF CUSTODY

SGS ACCUTEST

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.accutest.com

MC49976

Client / Reporting Information

Company Name: EnviroTrac Ltd.
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Butturo Email: JenButturo@envirotrac.com 03.99CABC.00
Phone #: (781) 793-0074 Fax #:
Sampler(s) Name(s): F. Morrissey / L. Marin Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA State:
Project #:
Client PO#:
Project Manager: Jen Butturo

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Lead, VOCs, TPH-GRO, TPH-DRO, PCBs, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, conductivity, Ignitability, pH, SVOCs

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

LAB USE ONLY

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI vol #	Date	Time	Sampled by	Matrix	# of bottles	HCl	H2SO4	HNO3	NaOH	DI Water	MEOH	ENCORE	Bottle Id
25	PC-7 0-5'		3/28/17	12:05	LM/FM	SO	1				1				
26	PC-7 5-10'			12:10			1				1				
27	PC-7 10-15'			12:15			1				1				
28	PC-7 0-15' comp			12:05-12:15			5				1	2	2		
29	PC-8 0-5'			12:20			1				1				
30	PC-8 5-10'			12:28			1				1				
31	PC-8 10-15'			12:35			1				1				
32	PC-8 0-15' comp			12:28-12:35			5				1	2	2		
33	PC-9 0-5'			12:40			1				1				
34	PC-9 5-10'			12:45			1				1				
35	PC-9 10-15'			12:50			1				1				
36	PC-9 0-15' comp			12:40-12:50			5				1	2	2		

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pellechia

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

* Must meet S-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 ET secure fridge		3/29/17 12:45	2 Will Orell
2						
3	Will Orell	3/29/17 1130	3 Will Orell			
4						
5						

Custody Seal #: Intact / Not Intact / Preserved where applicable: No

On Ice: ☑ Cooler Temp: 1.6° 1.4°

SGS ACCUTEST

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
95 D'Angelo Drive, Bellingham, MA 01752
TEL: 800.481.6200 FAX: 800.481.7753
www.accutest.com

PAGE 4 OF 7

MC49976

Client / Reporting Information

Company Name: Fay Tech Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttone Email: jbuttone@fay-tech.com
Phone #: (781) 793-0074 Fax #:
Sampler(s) Name(s): F. Mollissey / L. Main
Project Manager: Jen Buttone

Project Information

Project Name: Maggione Somerville
Street: 343-351 Summer St
City: Somerville, MA
Client PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

Sample #	Field ID / Point of Collection	Lab Sample #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation	Lead	VOCs	TPH-GRO	TPH-DRO, PCBs, Pesticides, Herbicides, ERGA 8 Metals, Reactivity, Conductivity, pH, Sulfide, Ignitability, pH, Sulfide	LAB USE ONLY
31	PC-10 0-5'		3/28/17	13:55	MF	SO	1				1		
32	PC-10 5-10'			13:05			1				1		
33	PC-10 10-15'			13:14			1				1		
34	PC-10 0-15' comp			13:55			5				1	2 2	
41	PC-11 0-5'			13:20			1				1		
42	PC-11 5-10'			13:25			1				1		
43	PC-11 10-15'			13:33			1				1		
44	PC-11 0-15' comp			13:55			5				1	2 2	
45	PC-12 0-5'			13:40			1				1		
46	PC-12 5-10'			13:45			1				1		
47	PC-13 10-15'			13:50			1				1		
48	PC-12 0-15' comp			13:50			5				1	2 2	

Turnaround Time (Business days)
- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pellechia

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions: • Must Meet 5-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished By	Date Time	Received By	Relinquished By	Date Time	Received By
1	3/28/17 19:00	1 ET secure fridge	1	3/28/17 19:00	1 ET secure fridge
2	3/29/17 12:45	2	2	3/29/17	2
3	3/29/17	3	3	3/29/17	3
4		4	4		4
5		5	5		5

Custody Seal #: Intact / Not Intact; Preserved where applicable: Yes / No

On Ice: [x] Cooler Temp: 16° 14°

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
95 D'Angelo Drive, Bellingham, MA 01752
TEL: 800.481.6200 FAX: 800.481.7753
www.accutest.com

PAGE 5 OF 7

MC49976

Client / Reporting Information

Company Name: Fay Tech Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Buttone Email: jbuttone@fay-tech.com
Phone #: 781 793-0074 Fax #:
Sampler(s) Name(s): F. Mollissey / L. Main
Project Manager: Jen Buttone

Project Information

Project Name: Maggione Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Client PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

Sample #	Field ID / Point of Collection	Lab Sample #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation	Lead	VOCs	TPH-GRO	TPH-DRO, PCBs, Pesticides, Herbicides, ERGA 8 Metals, Reactivity, Conductivity, pH, Sulfide, Ignitability, pH, Sulfide	LAB USE ONLY
49	PC-13 0-5'		3/28/17	13:55	MF	SO	1				1		
50	PC-13 5-10'			14:00			1				1		
51	PC-13 10-15'			14:07			1				1		
52	PC-13 0-15' comp			13:38-07			5				1	2 2	
53	PC-14 0-5'			14:10			1				1		
54	PC-14 5-10'			14:14			1				1		
55	PC-14 10-15'			14:18			1				1		
56	PC-14 0-15' comp			14:16-14:18			5				1	2 2	
57	PC-15 0-5'			14:20			1				1		
58	PC-15 5-10'			14:22			1				1		
59	PC-15 10-15'			14:28			1				1		
60	PC-15 0-15' comp			14:20-14:28			5				1	2 2	

Turnaround Time (Business days)
- [ ] Std. 10 Business Days
- [x] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pellechia

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions: • Must Meet 5-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished By	Date Time	Received By	Relinquished By	Date Time	Received By
1	3/28/17 19:00	1 ET secure fridge	1	3/28/17 19:00	1 ET secure fridge
2	3/29/17 12:45	2	2	3/29/17	2
3	3/29/17	3	3	3/29/17	3
4		4	4		4
5		5	5		5

Custody Seal #: Intact / Not Intact; Preserved where applicable: Yes / No

On Ice: [x] Cooler Temp: 16° 14°

SGS ACCUTEST — **CHAIN OF CUSTODY** (JB) — PAGE 6 OF 7

SGS Accutest of New England
84 D Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

SGS Accutest Quote # | SGS Accutest Job # MC49976

Client / Reporting Information

Company Name: EnviroTrac Ltd.
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Butera E-mail: jenniferb@envirotrac.com
Phone #: 781-793-0074 Fax #:
Sampler(s) Name(s): L. Main / E. Morrissey Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Project #: 03 990201.00
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl, HNO3, H2SO4, NaOH, Zn Acet, NaHSO4, Ascorbic, Encore, 5035set, Unpres	Lead	VOCs	TPH-GRO	TPH-DRO, PCB's, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Corrosivity, Ignitability, pH, Sulfide	LAB USE ONLY
61	PC 16A 0-5'		3/28/17	14:30	JM/EM	SO	1		X				
62	PC-16B 0-5'			14:38			1						
63	PC-16C 0-5'			14:45			1						
64	PC 16 0-5' comp			14:35-14:45			5	1 2 2		X	X	X	
65	PC 17A 0-5'			14:55			1		X				
66	PC-17B 0-5'			15:05			1						
67	PC 17C 0-5'			15:12			1						
68	PC-17 0-5' comp			14:58-15:05			5	1 2 2		X	X	X	
69	PC-18A 0-5'			15:18			1		X				
70	PC-18B 0-5'			15:28			1						
71	PC 18C 0-5'			15:33			1						
72	PC 18 0-5' comp			15:18-15:33			5	1 2 2		X	X	X	

Turnaround Time (Business days)
- Std. 10 Business Days
- Std. 5 Business Days (By Contract only)
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pelkuin

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must Meet 5-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 ET secure fridge	2	3/29/17 12:45	2
3		3/29/17 1110	3	4		4
5			5	Custody Seal #	Intact / Preserved where applicable / Not intact	On Ice / Cooler Temp.

SGS ACCUTEST — **CHAIN OF CUSTODY** (JB) — PAGE 7 OF 7

SGS Accutest of New England
84 D Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

SGS Accutest Quote # | SGS Accutest Job # MC49976

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 2 Merchant St.
City: Sharon State: MA Zip: 02067
Project Contact: Jen Butera E-mail: jenniferb@envirotrac.com
Phone #: (781) 793-0074 Fax #:
Sampler(s) Name(s): E. Morrissey / L. Main Phone #:

Project Information

Project Name: Maggiore Somerville
Street: 343-351 Summer St.
City: Somerville, MA
Project #: 03 990201.00
Client PO#:
Project Manager: Jen Butera

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl, HNO3, H2SO4, NaOH, Zn Acet, NaHSO4, Ascorbic, Encore, 5035set, Unpres	Lead	VOCs	TPH-GRO	TPH-DRO, PCB's, Pesticides, Herbicides, RCRA 8 Metals, Reactivity, Corrosivity, Ignitability, pH, Sulfide	LAB USE ONLY
73	PC-19A 0-5'		3/28/17	15:36	JM/EM	SO	1		X				
74	PC 19B 0-5'			15:38			1						
75	PC-19C 0-5'			15:45			1						
76	PC-19 0-5' comp			15:36-15:45			5	1 2 2		X	X	X	

Turnaround Time (Business days)
- Std. 10 Business Days
- Std. 5 Business Days (By Contract only)
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date: Standard 5-7 days per Geoff Pelkuin

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULLT1 (Level 3+4)
- CT RCP
- MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

- Must Meet 5-1/RCS-1 detection limits.

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1		3/28/17 19:00	1 ET secure fridge	2	3/29/17 12:45	2
3		3/29/17 1110	3	4		4
5			5	Custody Seal #	Intact / Preserved where applicable / Not intact	On Ice / Cooler Temp.

SGS Accutest NE Sample Receipt Summary

Job Number: [illegible] Client: [illegible] Project: [illegible]

Date / Time Received: [illegible] Delivery Method: [illegible] Airbill #'s:

Cooler Temps (Initial/Adjusted): [illegible]

Cooler Security	Y	or	N		Y	or	N
1 Custody Seals Present	☐		☑	3 COC Present	☑		☐
2 Custody Seals Intact	☐		☑	4 Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1 Temp criteria achieved	☑		☐
2 Thermometer ID			
3 Cooler media	Ice (Bag)		
4 No. Coolers	2		

Quality Control Preservation	Y	or	N	N/A
1 Trip Blank present / cooler	☐		☑	☐
2 Trip Blank listed on COC	☐		☑	☐
3 Samples preserved properly	☑		☐	
4 VOCs headspace free	☐		☐	☑

Comments

Sample Integrity - Documentation	Y	or	N
1 Sample labels present on bottles	☑		☐
2 Container labeling complete	☑		☐
3 Sample container label / COC agree	☑		☐

Sample Integrity - Condition	Y	or	N
1 Sample recvd within HT	☑		☐
2 All containers accounted for	☑		☐
3 Condition of sample	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1 Analysis requested is clear	☑		☐	
2 Bottles received for unspecified tests	☐		☑	
3 Sufficient volume recvd for analysis	☑		☐	
4 Compositing instructions clear	☐		☐	☑
5 Filtering instructions clear	☐		☐	☑

MC49976: Chain of Custody
Page 8 of 8

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name:	SGS Accutest Marlborough	Project #	MC49976
Project Location:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC49976-1 through MC49976-76

Matrices: Groundwater/Surface Water ( ) Soil/Sediment (X) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC (X) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides (X) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC (X) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides (X) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB (X) CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications)	☑ Yes	☐ No
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☑ Yes	☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No
	Responses to questions G, H, and I below is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☐ Yes	☑ No
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [signature] Position: Laboratory Director

Printed Name: H. (Brad) Madadian Date: 11-Apr-17

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name	Accutest Mid Atlantic	Project #	MC49976
Project Location #01074	ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC49976-1,MC49976-10,MC49976-11,MC49976-12,MC49976-13,MC49976-14,MC49976-15
MC49976-16,MC49976-17,MC49976-18,MC49976-19,MC49976-2,MC49976-20,MC49976-21
MC49976-22,MC4997
MC49976-29,MC49976-3,MC49976-30,MC49976-31,MC49976-32,MC49976-33,MC49976-34

Matrices: Groundwater/Surface Water ( ) Soil/Sediment (X) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC ( ) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM [illegible]	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides (X) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No	
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No	
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ Yes	☐ No ☐ No	
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No	

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☐ Yes	☑ No	1
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.			
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No	1
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No	1

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Nancy F. Cole Position: Laboratory Director

Printed Name: Nancy F. Cole Date: 11-Apr-17

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-1 Collected: 28-MAR-17 09:50 By: LMFM Received: 29-MAR-17 By: TF PC-1 0-5'						
MC49976-1	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-1	SW846 6010C	04-APR-17 16:45	ANJ	01-APR-17	ANJ	PB
MC49976-2 Collected: 28-MAR-17 10:04 By: LMFM Received: 29-MAR-17 By: TF PC-1 5-10'						
MC49976-2	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-2	SW846 6010C	04-APR-17 16:39	ANJ	01-APR-17	ANJ	PB
MC49976-3 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: TF PC-1 10-15'						
MC49976-3	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-3	SW846 6010C	04-APR-17 16:48	ANJ	01-APR-17	ANJ	PB
MC49976-4 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: TF PC-1 0-15' COMP						
MC49976-4	SW846 8015	30-MAR-17 10:35	AF			V8015GRO
MC49976-4	SW846 8260C	30-MAR-17 16:50	DRY			V8260MCP
MC49976-4	SW846 7471B	01-APR-17 10:23	ANJ	01-APR-17	ANJ	HG
MC49976-4	SW846 CHAP7/9034	03 APR 17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-4	SW846 CHAP7/9012 B	03-APR-17 12:17	ANJ	02-APR-17	ANJ	CREAC
MC49976-4	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-4	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-4	SW846 1010A/ASTM D93	08-APR-17 16:00	ANJ			IGN
MC49976-4	SW846 8082A	04 APR 17 16:55	AP	31 MAR 17	AJ	P8082MCP
MC49976-4	SW846 6010C	04-APR-17 16:59	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-4	SW846 8081B	04-APR-17 19:34	AP	31-MAR-17	AJ	P8081MCP
MC49976-4	SW846 8270D	04-APR-17 20:15	DRY	31-MAR-17	IC	AB8270MCP
MC49976-4	SW846-8015	04-APR-17 20:54	AP	31-MAR-17	IC	B8015DRO
MC49976-4	SW846 8270D	05 APR 17 11:04	DRY	31 MAR 17	IC	AB8270MCP
MC49976-4	SW846 9045D	05 APR 17 11:36	ANJ			PH
MC49976-4	SW846 8151	10-APR-17 11:41	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-5 Collected: 28-MAR-17 10:20 By: LMFM Received: 29-MAR-17 By: TF PC-2 0-5'						
MC49976-5	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-5	SW846 6010C	04-APR-17 17:02	ANJ	01-APR-17	ANJ	PB
MC49976-6 Collected: 28-MAR-17 10:28 By: LMFM Received: 29-MAR-17 By: TF PC-2 5-10'						
MC49976-6	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-6	SW846 6010C	04-APR-17 17:05	ANJ	01-APR-17	ANJ	PB
MC49976-7 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: TF PC-2 10-15'						
MC49976-7	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-7	SW846 6010C	04-APR-17 17:08	ANJ	01-APR-17	ANJ	PB
MC49976-8 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: TF PC-2 0-15' COMP						
MC49976-8	SW846 8015	30-MAR-17 14:59	AF			V8015GRO
MC49976-8	SW846 8260C	30-MAR-17 17:18	DRY			V8260MCP
MC49976-8	SW846 8260C	30-MAR-17 20:34	DRY			V8260MCP
MC49976-8	SW846 7471B	01-APR-17 10:24	ANJ	01-APR-17	ANJ	HG
MC49976-8	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-8	SW846 CHAP7/9012 B	03-APR-17 12:18	ANJ	02-APR-17	ANJ	CREAC
MC49976-8	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-8	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-8	SW846 1010A/ASTM D93	04-APR-17 16:00	ANJ			IGN
MC49976-8	SW846 8082A	04-APR-17 17:11	AP	31-MAR-17	AJ	P8082MCP
MC49976-8	SW846 6010C	04-APR-17 17:11	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-8	SW846 8015	04-APR-17 17:46	AP	31-MAR-17	IC	B8015DRO
MC49976-8	SW846 8081B	04-APR-17 19:49	AP	31-MAR-17	AJ	P8081MCP
MC49976-8	SW846 8270D	04-APR-17 20:40	DRY	31-MAR-17	IC	AB8270MCP
MC49976-8	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-8	SW846 8151	07-APR-17 01:40	ANJ	05-APR-17	ANJ	H8151STD

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-9 Collected: 28-MAR-17 10:40 By: LMFM Received: 29-MAR-17 By: TF PC-3 0-5'						
MC49976-9	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-9	SW846 6010C	04-APR-17 17:14	ANJ	01-APR-17	ANJ	PB
MC49976-10 Collected: 28-MAR-17 10:45 By: LMFM Received: 29-MAR-17 By: TF PC-3 5-10'						
MC49976-10	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-10	SW846 6010C	04-APR-17 17:17	ANJ	01-APR-17	ANJ	PB
MC49976-11 Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: TF PC-3 10-15'						
MC49976-11	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-11	SW846 6010C	04-APR-17 17:20	ANJ	01-APR-17	ANJ	PB
MC49976-12 Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: TF PC-3 0-15' COMP						
MC49976-12	SW846 8015	30-MAR-17 15:36	AF			V8015GRO
MC49976-12	SW846 8260C	30-MAR-17 17:45	DRY			V8260MCP
MC49976-12	SW846 8260C	30-MAR-17 20:05	DRY			V8260MCP
MC49976-12	SW846 7471B	01-APR-17 10:26	ANJ	01-APR-17	ANJ	HG
MC49976-12	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-12	SW846 CHAP7/9012 B	03-APR-17 12:20	ANJ	02-APR-17	ANJ	CREAC
MC49976-12	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-12	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-12	SW846 1010A/ASTM D93	04-APR-17 16:00	ANJ			IGN
MC49976-12	SW846 6010C	04-APR-17 17:23	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-12	SW846 8082A	04-APR-17 17:27	AP	31-MAR-17	AJ	P8082MCP
MC49976-12	SW846 8081B	04-APR-17 20:03	AP	31-MAR-17	AJ	P8081MCP
MC49976-12	SW846 8270D	04-APR-17 21:06	DRY	31-MAR-17	IC	AB8270MCP
MC49976-12	SW846 8015	04-APR-17 22:28	AP	31-MAR-17	IC	B8015DRO
MC49976-12	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-12	SW846 8151	10-APR-17 12:10	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-13	Collected: 28-MAR-17 11:00 By: LMFM Received: 29-MAR-17 By: TF PC-4 0-5'					
MC49976-13	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-13	SW846 6010C	04-APR-17 17:32	ANJ	01-APR-17	ANJ	PB
MC49976-14	Collected: 28-MAR-17 11:07 By: LMFM Received: 29-MAR-17 By: TF PC-4 5-10'					
MC49976-14	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-14	SW846 6010C	04-APR-17 17:35	ANJ	01-APR-17	ANJ	PB
MC49976-15	Collected: 28-MAR-17 11:14 By: LMFM Received: 29-MAR-17 By: TF PC 4 10 15'					
MC49976-15	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-15	SW846 6010C	04-APR-17 17:38	ANJ	01-APR-17	ANJ	PB
MC49976 16	Collected: 28 MAR 17 11:14 By: LMFM Received: 29 MAR 17 By: TF PC-4 0-15' COMP					
MC49976-16	SW846 8015	30-MAR-17 16:14	AF			V8015GRO
MC49976 16	SW846 8260C	30 MAR 17 18:14	DRY			V8260MCP
MC49976 16	SW846 8260C	30 MAR 17 19:37	DRY			V8260MCP
MC49976 16	SW846 7471B	01 APR 17 10:27	ANJ	01 APR 17	ANJ	HG
MC49976 16	SW846 CHAP7/9034	03 APR 17 04:13	ANJ	02 APR 17	ANJ	SREAC
MC49976 16	SW846 CHAP7/9012 B	03 APR 17 12:21	ANJ	02 APR 17	ANJ	CREAC
MC49976 16	SM2540 G 97	03 APR 17 19:15	ANJ			SOL104
MC49976 16	SM2510B 11M/SW9050A	04 APR 17 04:47	ANJ			SCON
MC49976 16	SW846 6010C	04 APR 17 17:41	ANJ	01 APR 17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976 16	SW846 8082A	04 APR 17 17:43	AP	31 MAR 17	AJ	P8082MCP
MC49976 16	SW846 8081B	04 APR 17 20:18	AP	31 MAR 17	AJ	P8081MCP
MC49976 16	SW846 8270D	04 APR 17 21:32	DRY	31 MAR 17	IC	AB8270MCP
MC49976 16	SW846 8015	04 APR 17 21:57	AP	31 MAR 17	IC	B8015DRO
MC49976 16	SW846 8270D	05 APR 17 11:30	DRY	31 MAR 17	IC	AB8270MCP
MC49976 16	SW846 9045D	05 APR 17 11:36	ANJ			PH
MC49976-16	SW846 1010A/ASTM D93	06 APR 17 16:35	ANJ			IGN
MC49976-16	SW846 8151	10-APR-17 12:39	ANJ	08-APR-17	ANJ	H8151STD

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-17	Collected: 28-MAR-17 11:30 By: LMFM Received: 29-MAR-17 By: TF PC-5 0-5'					
MC49976-17	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-17	SW846 6010C	04-APR-17 17:44	ANJ	01-APR-17	ANJ	PB
MC49976-18	Collected: 28-MAR-17 11:38 By: LMFM Received: 29-MAR-17 By: TF PC-5 5-10'					
MC49976-18	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-18	SW846 6010C	04-APR-17 17:47	ANJ	01-APR-17	ANJ	PB
MC49976-19	Collected: 28-MAR-17 11:45 By: LMFM Received: 29-MAR-17 By: TF PC-5 10-15'					
MC49976-19	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-19	SW846 6010C	04-APR-17 17:50	ANJ	01-APR-17	ANJ	PB
MC49976-20	Collected: 28-MAR-17 11:45 By: LMFM Received: 29-MAR-17 By: TF PC-5 0-15' COMP					
MC49976-20	SW846 8015	30-MAR-17 16:51	AF			V8015GRO
MC49976-20	SW846 8260C	30-MAR-17 18:42	DRY			V8260MCP
MC49976-20	SW846 7471B	01-APR 17 10:28	ANJ	01 APR 17	ANJ	HG
MC49976-20	SW846 CHAP7/9034	03 APR 17 04:13	ANJ	02-APR 17	ANJ	SREAC
MC49976 20	SW846 CHAP7/9012 B	03-APR 17 12:22	ANJ	02 APR 17	ANJ	CREAC
MC49976 20	SM2540 G 97	03-APR 17 19:15	ANJ			SOL104
MC49976 20	SM2510B 11M/SW9050A	04 APR 17 04:47	ANJ			SCON
MC49976 20	SW846 6010C	04-APR 17 17:53	ANJ	01 APR 17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976 20	SW846 8082A	04 APR 17 17:59	AP	31 MAR 17	AJ	P8082MCP
MC49976 20	SW846 8015	04 APR-17 18:18	AP	31 MAR 17	IC	B8015DRO
MC49976 20	SW846 8081B	04 APR 17 20:32	AP	31 MAR 17	AJ	P8081MCP
MC49976 20	SW846 8270D	04 APR 17 21:58	DRY	31 MAR 17	IC	AB8270MCP
MC49976 20	SW846 9045D	05 APR 17 11:36	ANJ			PH
MC49976 20	SW846 1010A/ASTM D93	06 APR 17 16:35	ANJ			IGN
MC49976 20	SW846 8151	07 APR 17 04:32	ANJ	05 APR 17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-21	Collected: 28-MAR-17 11:50 By: LMFM Received: 29-MAR-17 By: TF PC-6 0-5'					
MC49976 21	SM2540 G-97	03 APR-17 19:15	ANJ			SOL104
MC 49976 21	SW846 6010C	03-APR-17 19:59	ANJ	01-APR-17	ANJ	PB
MC49976 22	Collected: 28 MAR 17 11:55 By: LMFM Received: 29 MAR 17 By: TF PC-6 5-10'					
MC 49976 22	SM2540 G 97	03 APR-17 19:15	ANJ			SOL104
MC49976 22	SW846 6010C	03 APR-17 19:50	ANJ	01-APR-17	ANJ	PB
MC49976-23	Collected: 28-MAR-17 12:00 By: LMFM Received: 29-MAR-17 By: TF PC-6 10-15'					
MC49976 23	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-23	SW846 6010C	03-APR-17 20:03	ANJ	01-APR-17	ANJ	PB
MC49976-24	Collected: 28 MAR 17 12:00 By: LMFM Received: 29-MAR-17 By: TF PC 6 0 15' COMP					
MC49976-24	SW846 8015	30 MAR-17 17:28	AF			V8015GRO
MC49976 24	SW846 7471B	01-APR-17 10:30	ANJ	01-APR-17	ANJ	HG
MC 49976 24	SW846 CHAP7/9034	03 APR 17 04:13	ANJ	02 APR 17	ANJ	SREAC
MC49976 24	SW846 CHAP7/9012 B	03-APR-17 12:27	ANJ	02-APR-17	ANJ	CREAC
MC49976-24	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-24	SW846 6010C	03-APR-17 20:07	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976 24	SM2510B-11M/SW9050A	04 APR-17 04:47	ANJ			SCON
MC49976 24	SW846 8260C	04-APR-17 16:01	DRY			V8260MCP
MC49976 24	SW846 8082A	04-APR-17 18:15	AP	31-MAR-17	AJ	P8082MCP
MC49976 24	SW846 8081B	04-APR-17 20:47	AP	31-MAR-17	AJ	P8081MCP
MC 49976 24	SW846 8270D	04 APR 17 22:24	DRY	31 MAR 17	IC	AB8270MCP
MC 49976 24	SW846 8015	04 APR 17 22:59	AP	31 MAR 17	IC	B8015DRO
MC49976 24	SW846 9045D	05 APR-17 11:36	ANJ			PH
MC 49976 24	SW846 8270D	05 APR 17 11:55	DRY	31 MAR 17	IC	AB8270MCP
MC49976 24	SW846 1010A/ASTM D93	04 APR-17 16:35	ANJ			IGN
MC49976-24	SW846 8151	10 APR-17 13:08	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976 25	Collected: 28 MAR 17 12:05 By: LMFM Received: 29-MAR-17 By: TF PC-7 0-5'					
MC49976 25	SM2540 G 97	03 APR 17 19:15	ANJ			SOL104
MC49976-25	SW846 6010C	03-APR-17 20:11	ANJ	01-APR-17	ANJ	PB
MC49976-26	Collected: 28-MAR-17 12:10 By: LMFM Received: 29 MAR 17 By: TF PC-7 5 10'					
MC49976-26	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-26	SW846 6010C	03-APR-17 20:15	ANJ	01-APR-17	ANJ	PB
MC49976-27	Collected: 28-MAR-17 12:15 By: LMFM Received: 29-MAR-17 By: TF PC-7 10-15'					
MC49976-27	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-27	SW846 6010C	03-APR-17 20:28	ANJ	01-APR-17	ANJ	PB
MC49976 28	Collected: 28 MAR 17 12:15 By: LMFM Received: 29-MAR-17 By: TF PC-7 0-15' COMP					
MC49976-28	SW846 8015	30-MAR-17 18:06	AF			V8015GRO
MC49976-28	SW846 8260C	31-MAR-17 12:44	DRY			V8260MCP
MC49976-28	SW846 7471B	01-APR-17 10:32	ANJ	01-APR-17	ANJ	HG
MC49976-28	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-28	SW846 CHAP7/9012 B	03-APR-17 12:28	ANJ	02-APR-17	ANJ	CREAC
MC49976-28	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-28	SW846 6010C	03-APR-17 20:32	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-28	SM2510B-11M/SW9050A	04 APR-17 04:47	ANJ			SCON
MC49976-28	SW846 8082A	04-APR-17 18:30	AP	31-MAR-17	AJ	P8082MCP
MC49976 28	SW846 8015	04 APR 17 18:49	AP	31 MAR 17	IC	B8015DRO
MC49976-28	SW846 8081B	04-APR-17 21:01	AP	31-MAR-17	AJ	P8081MCP
MC49976 28	SW846 8270D	04 APR 17 22:49	DRY	31 MAR 17	IC	AB8270MCP
MC49976-28	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-28	SW846 1010A/ASTM D93	04 APR-17 16:35	ANJ			IGN
MC49976-28	SW846 8151	10-APR-17 10:16	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-29	Collected: 28-MAR-17 12:20 By: LMFM Received: 29-MAR-17 By: TF PC 8 0 5'					
MC49976-29	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-29	SW846 6010C	03-APR-17 20:37	ANJ	01-APR-17	ANJ	PB
MC49976-30	Collected: 28-MAR-17 12:28 By: LMFM Received: 29-MAR-17 By: TF PC-8 5-10'					
MC49976-30	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-30	SW846 6010C	03-APR-17 20:41	ANJ	01-APR-17	ANJ	PB
MC49976-31	Collected: 28 MAR 17 12:35 By: LMFM Received: 29-MAR-17 By: TF PC-8 10-15'					
MC49976-31	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-31	SW846 6010C	03-APR-17 20:45	ANJ	01-APR-17	ANJ	PB
MC49976-32	Collected: 28 MAR 17 12:35 By: LMFM Received: 29-MAR-17 By: TF PC-8 0-15' COMP					
MC49976-32	SW846 8015	30-MAR-17 18:43	AF			V8015GRO
MC49976-32	SW846 8260C	31-MAR-17 13:11	DRY			V8260MCP
MC49976-32	SW846 7471B	01-APR-17 10:33	ANJ	01-APR-17	ANJ	HG
MC49976-32	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-32	SW846 CHAP7/9012 B	03-APR-17 12:29	ANJ	02-APR-17	ANJ	CREAC
MC49976-32	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-32	SW846 6010C	03-APR-17 20:49	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-32	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-32	SW846 8015	04-APR-17 19:20	AP	31-MAR-17	IC	B8015DRO
MC49976-32	SW846 8082A	04-APR-17 20:05	AP	31-MAR-17	AJ	P8082MCP
MC49976-32	SW846 8081B	04 APR 17 21:45	AP	31 MAR 17	AJ	P8081MCP
MC49976-32	SW846 8270D	04 APR 17 23:15	DRY	31 MAR 17	IC	AB8270MCP
MC49976-32	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-32	SW846 1010A/ASTM D93	08-APR-17 16:35	ANJ			IGN
MC49976-32	SW846 8151	10-APR-17 10:44	ANJ	08-APR-17	ANJ	H8151STD

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-33	Collected: 28-MAR-17 12:40 By: LMFM Received: 29-MAR-17 By: TF PC-9 0-5'					
MC49976-33	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-33	SW846 6010C	03-APR-17 20:53	ANJ	01-APR-17	ANJ	PB
MC49976-34	Collected: 28-MAR-17 12:45 By: LMFM Received: 29-MAR-17 By: TF PC-9 5-10'					
MC49976-34	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-34	SW846 6010C	03-APR-17 20:58	ANJ	01-APR-17	ANJ	PB
MC49976-35	Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: TF PC-9 10-15'					
MC49976-35	SM2540 G-97	03 APR 17 19:15	ANJ			SOL104
MC49976-35	SW846 6010C	03-APR-17 21:02	ANJ	01-APR-17	ANJ	PB
MC49976-36	Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: TF PC-9 0-15' COMP					
MC49976-36	SW846 8015	30-MAR-17 19:21	AF			V8015GRO
MC49976-36	SW846 8260C	31-MAR-17 13:39	DRY			V8260MCP
MC49976-36	SW846 7471B	01-APR-17 12:44	ANJ	01-APR-17	ANJ	HG
MC49976-36	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-36	SW846 CHAP7/9012 B	03-APR-17 12:31	ANJ	02-APR-17	ANJ	CREAC
MC49976-36	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-36	SW846 6010C	03-APR-17 21:15	ANJ	01-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-36	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-36	SW846 8082A	04-APR-17 20:21	AP	31-MAR-17	AJ	P8082MCP
MC49976-36	SW846 8081B	04-APR-17 21:59	AP	31-MAR-17	AJ	P8081MCP
MC49976-36	SW846 8015	04 APR 17 23:30	AP	31 MAR 17	IC	B8015DRO
MC49976-36	SW846 8270D	04 APR 17 23:41	DRY	31 MAR 17	IC	AB8270MCP
MC49976-36	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-36	SW846 1010A/ASTM D93	08-APR-17 16:35	ANJ			IGN
MC49976-36	SW846 8151	10-APR-17 11:13	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-37	Collected: 28-MAR-17 12:55 By: LMFM Received: 29-MAR-17 By: TF PC-10 0-5'					
MC49976-37	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-37	SW846 6010C	03-APR-17 21:19	ANJ	01-APR-17	ANJ	PB
MC49976-38	Collected: 28-MAR-17 13:05 By: LMFM Received: 29-MAR-17 By: TF PC-10 5-10'					
MC49976-38	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-38	SW846 6010C	03-APR-17 21:23	ANJ	01-APR-17	ANJ	PB
MC49976-39	Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: TF PC-10 10-15'					
MC49976-39	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-39	SW846 6010C	03-APR-17 21:27	ANJ	01-APR-17	ANJ	PB
MC49976-40	Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: TF PC-10 0-15' COMP					
MC49976-40	SW846 8015	30-MAR-17 19:58	AF			V8015GRO
MC49976-40	SW846 8260C	31-MAR-17 14:07	DRY			V8260MCP
MC49976-40	SW846 7471B	01-APR-17 10:36	ANJ	01-APR-17	ANJ	HG
MC49976-40	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-40	SW846 CHAP7/9012 B	03-APR-17 12:32	ANJ	02-APR-17	ANJ	CREAC
MC49976-40	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-40	SW846 6010C	03-APR-17 21:31	ANJ	01-APR-17	ANJ	AS,BA,CD,CR,PB,SE
MC49976-40	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-40	SW846 6010C	04-APR-17 16:15	ANJ	01-APR-17	ANJ	AG
MC49976-40	SW846 8015	04-APR-17 19:51	AP	31-MAR-17	IC	B8015DRO
MC49976-40	SW846 8082A	04-APR-17 20:37	AP	31-MAR-17	AJ	P8082MCP
MC49976-40	SW846 8081B	04-APR-17 22:14	AP	31-MAR-17	AJ	P8081MCP
MC49976-40	SW846 8270D	05-APR-17 00:06	DRY	31-MAR-17	IC	AB8270MCP
MC49976-40	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-40	SW846 1010A/ASTM D93	03-APR-17 16:35	ANJ			IGN
MC49976-40	SW846 8151	07-APR-17 06:54	ANJ	05-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-41	Collected: 28-MAR-17 13:20 By: LMFM Received: 29-MAR-17 By: TF PC-11 0-5'					
MC49976-41	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-41	SW846 6010C	04-APR-17 18:39	ANJ	02-APR-17	ANJ	PB
MC49976-42	Collected: 28-MAR-17 13:25 By: LMFM Received: 29-MAR-17 By: TF PC-11 5-10'					
MC49976-42	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-42	SW846 6010C	04-APR-17 18:45	ANJ	02-APR-17	ANJ	PB
MC49976-43	Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: TF PC-11 10-15'					
MC49976-43	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-43	SW846 6010C	04-APR-17 18:48	ANJ	02-APR-17	ANJ	PB
MC49976-44	Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: TF PC-11 0-15' COMP					
MC49976-44	SW846 8015	30-MAR-17 21:13	AF			V8015GRO
MC49976-44	SW846 8260C	31-MAR-17 14:34	DRY			V8260MCP
MC49976-44	SW846 8260C	31-MAR-17 16:53	DRY			V8260MCP
MC49976-44	SW846 7471B	01-APR-17 10:42	ANJ	01-APR-17	ANJ	HG
MC49976-44	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-44	SW846 CHAP7/9012 B	03-APR-17 12:33	ANJ	02-APR-17	ANJ	CREAC
MC49976-44	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-44	SM2510B-11M/SW9050A	04-APR-17 04:47	ANJ			SCON
MC49976-44	SW846 6010C	04-APR-17 18:57	ANJ	02-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-44	SW846 8082A	04-APR-17 20:53	AP	31-MAR-17	AJ	P8082MCP
MC49976-44	SW846 8081B	04-APR-17 22:28	AP	31-MAR-17	AJ	P8081MCP
MC49976-44	SW846 8015	05-APR-17 00:01	AP	31-MAR-17	IC	B8015DRO
MC49976-44	SW846 8270D	05-APR-17 00:32	DRY	31-MAR-17	IC	AB8270MCP
MC49976-44	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-44	SW846 1010A/ASTM D93	03-APR-17 16:35	ANJ			IGN
MC49976-44	SW846 8151	10-APR-17 11:42	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-45	Collected: 28-MAR-17 13:40 By: LMFM Received: 29-MAR-17 By: TF PC-12 0-5'					
MC49976-45	SM2540 G 97	03 APR 17 19:15	ANJ			SOL104
MC49976-45	SW846 6010C	04-APR-17 19:00	ANJ	02-APR-17	ANJ	PB
MC49976-46	Collected: 28 MAR 17 13:45 By: LMFM Received: 29-MAR-17 By: TF PC-12 5-10'					
MC49976-46	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-46	SW846 6010C	04-APR-17 19:03	ANJ	02-APR-17	ANJ	PB
MC49976-47	Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: TF PC 12 10-15'					
MC49976-47	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-47	SW846 6010C	04-APR-17 19:06	ANJ	02-APR-17	ANJ	PB
MC49976-48	Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: TF PC 12 0 15' COMP					
MC49976-48	SW846 8015	30-MAR-17 21:50	AF			V8015GRO
MC49976-48	SW846 8260C	31-MAR-17 15:02	DRY			V8260MCP
MC49976-48	SW846 8260C	31 MAR 17 17:21	DRY			V8260MCP
MC49976-48	SW846 7471B	01 APR 17 10:43	ANJ	01-APR-17	ANJ	HG
MC49976-48	SW846 CHAP7/9034	03 APR 17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-48	SW846 CHAP7/9012 B	03-APR-17 12:35	ANJ	02-APR-17	ANJ	CREAC
MC49976-48	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-48	SM2510B 11M/SW9050A/M	APR 17 04:47	ANJ			SCON
MC49976-48	SW846 6010C	04-APR-17 19:09	ANJ	02-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-48	SW846 8082A	04-APR-17 21:09	AP	31-MAR-17	AJ	P8082MCP
MC49976-48	SW846 8081B	04 APR 17 22:43	AP	31 MAR 17	AJ	P8081MCP
MC49976-48	SW846 8015	05-APR-17 00:32	AP	31-MAR-17	IC	B8015DRO
MC49976-48	SW846 8270D	05-APR-17 00:58	DRY	31-MAR-17	IC	AB8270MCP
MC49976-48	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-48	SW846 1010A/ASTM D93	APR 17 16:35	ANJ			IGN
MC49976-48	SW846 8151	06-APR-17 19:19	ANJ	05-APR-17	ANJ	H8151STD

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-49	Collected: 28-MAR-17 13:55 By: LMFM Received: 29-MAR-17 By: TF PC-13 0-5'					
MC49976-49	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-49	SW846 6010C	04-APR-17 19:12	ANJ	02-APR-17	ANJ	PB
MC49976-50	Collected: 28-MAR-17 14:00 By: LMFM Received: 29-MAR-17 By: TF PC-13 5-10'					
MC49976-50	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-50	SW846 6010C	04-APR-17 19:15	ANJ	02-APR-17	ANJ	PB
MC49976-51	Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: TF PC-13 10-15'					
MC49976-51	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-51	SW846 6010C	04-APR-17 19:18	ANJ	02-APR-17	ANJ	PB
MC49976-52	Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: TF PC-13 0-15' COMP					
MC49976-52	SW846 8015	30 MAR 17 22:27	AF			V8015GRO
MC49976-52	SW846 7471B	01-APR-17 10:45	ANJ	01-APR-17	ANJ	HG
MC49976-52	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-52	SW846 CHAP7/9012 B	03-APR-17 12:36	ANJ	02-APR-17	ANJ	CREAC
MC49976-52	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-52	SM2510B 11M/SW9050A/M	APR 17 04:47	ANJ			SCON
MC49976-52	SW846 6010C	04-APR-17 19:21	ANJ	02-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-52	SW846 8015	04 APR 17 20:23	AP	31-MAR-17	IC	B8015DRO
MC49976-52	SW846 8082A	04-APR-17 21:25	AP	31-MAR-17	AJ	P8082MCP
MC49976-52	SW846 8081B	04-APR-17 22:57	AP	31 MAR 17	AJ	P8081MCP
MC49976-52	SW846 8270D	05-APR-17 01:23	DRY	31 MAR 17	IC	AB8270MCP
MC49976-52	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-52	SW846 1010A/ASTM D93	APR 17 16:35	ANJ			IGN
MC49976-52	SW846 8151	06-APR-17 19:48	ANJ	05-APR-17	ANJ	H8151STD
MC49976-52	SW846 8260C	06 APR 17 20:14	DRY			V8260MCP

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-53	Collected: 28-MAR-17 14:10 By: LMFM Received: 29-MAR-17 By: TF					
PC-14 0-5'						
MC49976-53	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-53	SW846 6010C	04-APR-17 19:30	ANJ	02-APR-17	ANJ	PB
MC49976-54	Collected: 28-MAR-17 14:14 By: LMFM Received: 29-MAR-17 By: TF					
PC-14 5-10'						
MC49976-54	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-54	SW846 6010C	04-APR-17 19:34	ANJ	02-APR-17	ANJ	PB
MC49976-55	Collected: 28-MAR-17 14:18 By: LMFM Received: 29-MAR-17 By: TF					
PC-14 10-15'						
MC49976-55	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-55	SW846 6010C	04-APR-17 19:37	ANJ	02-APR-17	ANJ	PB
MC49976-56	Collected: 28-MAR-17 14:18 By: LMFM Received: 29-MAR-17 By: TF					
PC-14 0-15' COMP						
MC49976-56	SW846 8015	30-MAR-17 23:04	AF			V8015GRO
MC49976-56	SW846 8260C	31-MAR-17 15:58	DRY			V8260MCP
MC49976-56	SW846 8260C	31-MAR-17 18:17	DRY			V8260MCP
MC49976-56	SW846 7471B	01-APR-17 10:47	ANJ	01-APR-17	ANJ	HG
MC49976-56	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-56	SW846 CHAP7/9012 B	03-APR-17 12:37	ANJ	02-APR-17	ANJ	CREAC
MC49976-56	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-56	SM2510B-11M/SW9050	04-APR-17 04:47	ANJ			SCON
MC49976-56	SW846 6010C	04-APR-17 19:40	ANJ	02-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-56	SW846 8082A	04-APR-17 21:41	AP	31-MAR-17	AJ	P8082MCP
MC49976-56	SW846 8081B	04-APR-17 23:12	AP	31-MAR-17	AJ	P8081MCP
MC49976-56	SW846 8015	05-APR-17 01:04	AP	31-MAR-17	IC	B8015DRO
MC49976-56	SW846 8270D	05-APR-17 01:49	DRY	31-MAR-17	IC	AB8270MCP
MC49976-56	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-56	SW846 1010A/ASTM D93	05-APR-17 16:35	ANJ			IGN
MC49976-56	SW846 8151	06-APR-17 20:16	ANJ	05-APR-17	ANJ	H8151STD

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Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-57	Collected: 28-MAR-17 14:20 By: LMFM Received: 29-MAR-17 By: TF					
PC-15 0-5'						
MC49976-57	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-57	SW846 6010C	04-APR-17 19:43	ANJ	02-APR-17	ANJ	PB
MC49976-58	Collected: 28-MAR-17 14:22 By: LMFM Received: 29-MAR-17 By: TF					
PC-15 5-10'						
MC49976-58	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-58	SW846 6010C	04-APR-17 19:46	ANJ	02-APR-17	ANJ	PB
MC49976-59	Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: TF					
PC-15 10-15'						
MC49976-59	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-59	SW846 6010C	04-APR-17 19:49	ANJ	02-APR-17	ANJ	PB
MC49976-60	Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: TF					
PC-15 0-15' COMP						
MC49976-60	SW846 8015	30-MAR-17 23:42	AF			V8015GRO
MC49976-60	SW846 8260C	31-MAR-17 16:26	DRY			V8260MCP
MC49976-60	SW846 8260C	31-MAR-17 18:45	DRY			V8260MCP
MC49976-60	SW846 7471B	01-APR-17 10:49	ANJ	01-APR-17	ANJ	HG
MC49976-60	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-60	SW846 CHAP7/9012 B	03-APR-17 12:39	ANJ	02-APR-17	ANJ	CREAC
MC49976-60	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-60	SM2510B-11M/SW9050	04-APR-17 04:47	ANJ			SCON
MC49976-60	SW846 6010C	04-APR-17 19:52	ANJ	02-APR-17	ANJ	AG,AS,BA,CD,CR,PB,SE
MC49976-60	SW846 8082A	04-APR-17 21:56	AP	31-MAR-17	AJ	P8082MCP
MC49976-60	SW846 8081B	04-APR-17 23:26	AP	31-MAR-17	AJ	P8081MCP
MC49976-60	SW846 8015	05-APR-17 01:35	AP	31-MAR-17	IC	B8015DRO
MC49976-60	SW846 8270D	05-APR-17 02:15	DRY	31-MAR-17	IC	AB8270MCP
MC49976-60	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-60	SW846 8270D	05-APR-17 12:21	DRY	31-MAR-17	IC	AB8270MCP
MC49976-60	SW846 1010A/ASTM D93	05-APR-17 16:35	ANJ			IGN
MC49976-60	SW846 8151	06-APR-17 22:40	ANJ	05-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-61	Collected: 28 MAR-17 14:30 By: LMFM Received: 29-MAR-17 By: TF PC-16A 0-5'					
MC49976-61	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-61	SW846 6010C	05 APR 17 14:29	ANJ	02-APR-17	ANJ	PB
MC49976-62	Collected: 28 MAR 17 14:38 By: LMFM Received: 29-MAR-17 By: TF PC-16B 0-5'					
MC49976-62	SM2540 G 97	03-APR-17 19:15	ANJ			SOL104
MC49976-62	SW846 6010C	05 APR 17 14:32	ANJ	02-APR-17	ANJ	PB
MC49976-63	Collected: 28 MAR 17 14:45 By: LMFM Received: 29-MAR-17 By: TF PC-16C 0-5'					
MC49976-63	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-63	SW846 6010C	04 APR 17 21:27	ANJ	02-APR-17	ANJ	PB
MC49976-64	Collected: 28 MAR 17 14:45 By: LMFM Received: 29-MAR-17 By: TF PC-16 0 5' COMP					
MC49976-64	SW846 8015	31-MAR-17 00:19	AF			V8015GRO
MC49976-64	SW846 7471B	01-APR-17 10:50	ANJ	01-APR-17	ANJ	HG
MC49976-64	SW846 CHAP7/9034	03-APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-64	SW846 CHAP7/9012 B	03-APR-17 12:43	ANJ	02-APR-17	ANJ	CREAC
MC49976-64	SW846 8260C	03-APR-17 18:49	DRY			V8260MCP
MC49976-64	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-64	SW846 8260C	03-APR-17 20:42	DRY			V8260MCP
MC49976-64	SM2510B-11M/SW9050A/M	04-APR-17 04:47	ANJ			SCON
MC49976-64	SW846 6010C	04 APR 17 21:30	ANJ	02-APR-17	ANJ	AS,CR,PB,SE
MC49976-64	SW846 8082A	04-APR-17 22:12	AP	31-MAR-17	AJ	P8082MCP
MC49976-64	SW846 8081B	04-APR-17 23:40	AP	31-MAR-17	AJ	P8081MCP
MC49976-64	SW846 8015	05-APR-17 02:06	AP	31-MAR-17	IC	B8015DRO
MC49976-64	SW846 8270D	05 APR 17 02:41	DRY	31-MAR-17	IC	AB8270MCP
MC49976-64	SW846 9045D	05 APR 17 11:36	ANJ			PH
MC49976-64	SW846 6010C	05-APR-17 14:35	ANJ	02-APR-17	ANJ	AG,BA,CD
MC49976-64	SW846 1010A/ASTM D93	03 APR-17 16:35	ANJ			IGN
MC49976-64	SW846 8151	10-APR-17 12:11	ANJ	08-APR-17	ANJ	H8151STD

SGS Accutest

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-65	Collected: 28-MAR-17 14:58 By: LMFM Received: 29-MAR-17 By: TF PC-17A 0-5'					
MC49976-65	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-65	SW846 6010C	04-APR-17 21:33	ANJ	02-APR-17	ANJ	PB
MC49976-66	Collected: 28-MAR-17 15:05 By: LMFM Received: 29-MAR-17 By: TF PC-17B 0-5'					
MC49976-66	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-66	SW846 6010C	04-APR 17 21:36	ANJ	02-APR-17	ANJ	PB
MC49976-67	Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: TF PC-17C 0-5'					
MC49976-67	SM2540 G-97	03 APR 17 19:15	ANJ			SOL104
MC49976-67	SW846 6010C	04-APR-17 21:39	ANJ	02-APR-17	ANJ	PB
MC49976-68	Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: TF PC-17 0-5' COMP					
MC49976-68	SW846 8015	31-MAR-17 00:56	AF			V8015GRO
MC49976-68	SW846 7471B	01-APR 17 10:52	ANJ	01-APR-17	ANJ	HG
MC49976-68	SW846 CHAP7/9034	03 APR 17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-68	SW846 CHAP7/9012 B	03-APR-17 12:55	ANJ	02-APR-17	ANJ	CREAC
MC49976-68	SM2540 G 97	03 APR 17 19:15	ANJ			SOL104
MC49976-68	SW846 8260C	03-APR-17 19:18	DRY			V8260MCP
MC49976-68	SW846 8260C	03-APR-17 21:10	DRY			V8260MCP
MC49976-68	SM2510B-11M/SW9050A/M	04 APR 17 04:47	ANJ			SCON
MC49976-68	SW846 6010C	04 APR 17 21:42	ANJ	02-APR-17	ANJ	AS,CR,PB,SE
MC49976-68	SW846 8082A	04-APR-17 22:28	AP	31-MAR-17	AJ	P8082MCP
MC49976-68	SW846 8081B	04 APR 17 23:55	AP	31 MAR-17	AJ	P8081MCP
MC49976-68	SW846 8015	05-APR 17 02:37	AP	31-MAR-17	IC	B8015DRO
MC49976-68	SW846 8270D	05-APR-17 03:06	DRY	31 MAR 17	IC	AB8270MCP
MC49976-68	SW846 9045D	05-APR 17 11:36	ANJ			PH
MC49976-68	SW846 6010C	05 APR 17 14:39	ANJ	02-APR-17	ANJ	AG,BA,CD
MC49976-68	SW846 1010A/ASTM D93	03 APR 17 16:35	ANJ			IGN
MC49976-68	SW846 8151	10-APR-17 12:40	ANJ	08-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-69	Collected: 28-MAR-17 15:18 By: LMFM Received: 29-MAR-17 By: TF PC-18A 0-5'					
MC49976-69	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-69	SW846 6010C	04-APR-17 21:00	ANJ	02-APR-17	ANJ	PB
MC49976-70	Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: TF PC-18B 0-5'					
MC49976-70	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-70	SW846 6010C	04-APR-17 21:45	ANJ	02-APR-17	ANJ	PB
MC49976-71	Collected: 28 MAR 17 15:33 By: LMFM Received: 29-MAR-17 By: TF PC-18C 0-5'					
MC49976-71	SM2540 G-97	03 APR-17 19:15	ANJ			SOL104
MC49976-71	SW846 6010C	04-APR-17 21:54	ANJ	02-APR-17	ANJ	PB
MC49976-72	Collected: 28 MAR 17 15:33 By: LMFM Received: 29-MAR-17 By: TF PC-18 0-5' COMP					
MC49976-72	SW846 8015	31 MAR-17 01:33	AF			V8015GRO
MC49976-72	SW846 8260C	31-MAR-17 19:12	DRY			V8260MCP
MC49976-72	SW846 8260C	31-MAR-17 19:40	DRY			V8260MCP
MC49976-72	SW846 7471B	01-APR-17 10:54	ANJ	01-APR-17	ANJ	HG
MC49976-72	SW846 CHAP7/9034	03 APR-17 04:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-72	SW846 CHAP7/9012 B	03-APR-17 12:46	ANJ	02-APR-17	ANJ	CREAC
MC49976-72	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-72	SM2510B 11M/SW9050A	04 APR 17 04:47	ANJ			SCON
MC49976-72	SW846 6010C	04 APR-17 21:57	ANJ	02-APR-17	ANJ	AS,CR,PB,SE
MC49976-72	SW846 8082A	04-APR-17 23:00	AP	31-MAR-17	AJ	P8082MCP
MC49976-72	SW846 8081B	05-APR-17 00:38	AP	31-MAR-17	AJ	P8081MCP
MC49976-72	SW846 8270D	05-APR-17 03:32	DRY	31 MAR 17	IC	AB8270MCP
MC49976-72	SW846-8015	05 APR 17 03:40	AP	31 MAR 17	IC	B8015DRO
MC49976-72	SW846 9045D	05 APR-17 11:36	ANJ			PH
MC49976-72	SW846 8270D	05 APR 17 12:47	DRY	31 MAR 17	IC	AB8270MCP
MC49976-72	SW846 6010C	05 APR-17 14:42	ANJ	02-APR-17	ANJ	AG,BA,CD
MC49976-72	SW846 1010A/ASTM D93	06 APR-17 16:35	ANJ			IGN
MC49976-72	SW846 8151	07-APR-17 00:06	ANJ	05-APR-17	ANJ	H8151STD

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC49976

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-73	Collected: 28 MAR 17 15:36 By: LMFM Received: 29-MAR-17 By: TF PC 19A 0-5'					
MC49976-73	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-73	SW846 6010C	04-APR-17 22:00	ANJ	02-APR-17	ANJ	PB
MC49976-74	Collected: 28 MAR 17 15:38 By: LMFM Received: 29-MAR-17 By: TF PC 19B 0-5'					
MC49976-74	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-74	SW846 6010C	04-APR-17 22:03	ANJ	02-APR-17	ANJ	PB
MC49976-75	Collected: 28 MAR 17 15:45 By: LMFM Received: 29-MAR-17 By: TF PC-19C 0-5'					
MC49976-75	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-75	SW846 6010C	04-APR-17 22:06	ANJ	02-APR-17	ANJ	PB
MC49976-76	Collected: 28 MAR 17 15:45 By: LMFM Received: 29-MAR-17 By: TF PC-19 0-5' COMP					
MC49976-76	SW846 8015	31-MAR-17 02:10	AF			V8015GRO
MC49976-76	SW846 7471B	01-APR-17 10:56	ANJ	01-APR-17	ANJ	HG
MC49976-76	SW846 CHAP7/9034	03 APR 17 01:13	ANJ	02-APR-17	ANJ	SREAC
MC49976-76	SW846 CHAP7/9012 B	03 APR 17 12:54	ANJ	02-APR-17	ANJ	CREAC
MC49976-76	SM2540 G-97	03-APR-17 19:15	ANJ			SOL104
MC49976-76	SW846 8260C	03-APR-17 19:46	DRY			V8260MCP
MC49976-76	SW846 8260C	03 APR 17 21:39	DRY			V8260MCP
MC49976-76	SM2510B 11M/SW9050A	04 APR 17 04:47	ANJ			SCON
MC49976-76	SW846 6010C	04-APR-17 22:09	ANJ	02-APR-17	ANJ	AS,CR,PB,SE
MC49976-76	SW846 8082A	04 APR 17 23:16	AP	31-MAR-17	AJ	P8082MCP
MC49976-76	SW846 8081B	05-APR-17 00:53	AP	31-MAR-17	AJ	P8081MCP
MC49976-76	SW846 8270D	05-APR-17 03:58	DRY	31-MAR-17	IC	AB8270MCP
MC49976-76	SW846-8015	05 APR-17 04:11	AP	31-MAR-17	IC	B8015DRO
MC49976-76	SW846 9045D	05-APR-17 11:36	ANJ			PH
MC49976-76	SW846 8270D	05-APR-17 13:13	DRY	31-MAR-17	IC	AB8270MCP
MC49976-76	SW846 6010C	05-APR-17 14:45	ANJ	02-APR-17	ANJ	AG,BA,CD
MC49976-76	SW846 1010A/ASTM D93	06 APR-17 16:35	ANJ			IGN
MC49976-76	SW846 8151	07-APR-17 00:35	ANJ	05-APR-17	ANJ	H8151STD

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3002	SW846 8260C						
MSM3002-BS	67-64-1	Acetone	BSP	REC	156	%	70-130
MSM3002-BS	71-43-2	Benzene	BSP	REC	102	%	70-130
MSM3002-BS	108-86-1	Bromobenzene	BSP	REC	102	%	70-130
MSM3002-BS	74-97-5	Bromochloromethane	BSP	REC	105	%	70-130
MSM3002-BS	75-27-4	Bromodichloromethane	BSP	REC	106	%	70-130
MSM3002-BS	75-25-2	Bromoform	BSP	REC	104	%	70-130
MSM3002-BS	74-83-9	Bromomethane	BSP	REC	87	%	70-130
MSM3002-BS	78-93-3	2-Butanone (MEK)	BSP	REC	153 [a]	%	70-130
MSM3002-BS	104-51-8	n-Butylbenzene	BSP	REC	123	%	70-130
MSM3002-BS	135-98-8	sec-Butylbenzene	BSP	REC	115	%	70-130
MSM3002-BS	98-06-6	tert-Butylbenzene	BSP	REC	96	%	70-130
MSM3002-BS	75-15-0	Carbon disulfide	BSP	REC	97	%	70-130
MSM3002-BS	56-23-5	Carbon tetrachloride	BSP	REC	114	%	70-130
MSM3002-BS	108-90-7	Chlorobenzene	BSP	REC	98	%	70-130
MSM3002-BS	75-00-3	Chloroethane	BSP	REC	94	%	70-130
MSM3002-BS	67-66-3	Chloroform	BSP	REC	108	%	70-130
MSM3002-BS	74-87-3	Chloromethane	BSP	REC	110	%	70-130
MSM3002-BS	95-49-8	o-Chlorotoluene	BSP	REC	110	%	70-130
MSM3002-BS	106-43-4	p-Chlorotoluene	BSP	REC	110	%	70-130
MSM3002-BS	108-20-3	Di-Isopropyl ether	BSP	REC	117	%	70-130
MSM3002-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	109	%	70-130
MSM3002-BS	124-48-1	Dibromochloromethane	BSP	REC	97	%	70-130
MSM3002-BS	106-93-4	1,2-Dibromoethane	BSP	REC	97	%	70-130
MSM3002-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	106	%	70-130
MSM3002-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	106	%	70-130
MSM3002-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	104	%	70-130
MSM3002-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	105	%	70-130
MSM3002-BS	75-34-3	1,1-Dichloroethane	BSP	REC	110	%	70-130
MSM3002-BS	107-06-2	1,2-Dichloroethane	BSP	REC	108	%	70-130
MSM3002-BS	75-35-4	1,1-Dichloroethene	BSP	REC	109	%	70-130
MSM3002-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	107	%	70-130
MSM3002-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	108	%	70-130
MSM3002-BS	78-87-5	1,2-Dichloropropane	BSP	REC	105	%	70-130
MSM3002-BS	142-28-9	1,3-Dichloropropane	BSP	REC	99	%	70-130
MSM3002-BS	594-20-7	2,2-Dichloropropane	BSP	REC	120	%	70-130
MSM3002-BS	563-58-6	1,1-Dichloropropene	BSP	REC	111	%	70-130
MSM3002-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	107	%	70-130
MSM3002-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	111	%	70-130
MSM3002-BS	123-91-1	1,4-Dioxane	BSP	REC	113	%	70-130
MSM3002-BS	60-29-7	Ethyl Ether	BSP	REC	113	%	70-130
MSM3002-BS	100-41-4	Ethylbenzene	BSP	REC	106	%	70-130
MSM3002-BS	87-68-3	Hexachlorobutadiene	BSP	REC	114	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3002-BS	591-78-6	2-Hexanone	BSP	REC	134	%	70-130
MSM3002-BS	98-82-8	Isopropylbenzene	BSP	REC	114	%	70-130
MSM3002-BS	99-87-6	p-Isopropyltoluene	BSP	REC	119	%	70-130
MSM3002-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	115	%	70-130
MSM3002-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	121	%	70-130
MSM3002-BS	74-95-3	Methylene bromide	BSP	REC	104	%	70-130
MSM3002-BS	75-09-2	Methylene chloride	BSP	REC	103	%	70-130
MSM3002-BS	91-20-3	Naphthalene	BSP	REC	118	%	70-130
MSM3002-BS	103-65-1	n-Propylbenzene	BSP	REC	113	%	70-130
MSM3002-BS	100-42-5	Styrene	BSP	REC	111	%	70-130
MSM3002-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	116	%	70-130
MSM3002-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	116	%	70-130
MSM3002-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	102	%	70-130
MSM3002-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	100	%	70-130
MSM3002-BS	127-18-4	Tetrachloroethene	BSP	REC	101	%	70-130
MSM3002-BS	109-99-9	Tetrahydrofuran	BSP	REC	112	%	70-130
MSM3002-BS	108-88-3	Toluene	BSP	REC	104	%	70-130
MSM3002-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	116	%	70-130
MSM3002-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	119	%	70-130
MSM3002-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	113	%	70-130
MSM3002-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	102	%	70-130
MSM3002-BS	79-01-6	Trichloroethene	BSP	REC	105	%	70-130
MSM3002-BS	75-69-4	Trichlorofluoromethane	BSP	REC	116	%	70-130
MSM3002-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	102	%	70-130
MSM3002-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	116	%	70-130
MSM3002-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	115	%	70-130
MSM3002-BS	75-01-4	Vinyl chloride	BSP	REC	113	%	70-130
MSM3002-BS		m,p-Xylene	BSP	REC	109	%	70-130
MSM3002-BS	95-47-6	o-Xylene	BSP	REC	113	%	70-130
MSM3002-BS	1330-20-7	Xylene (total)	BSP	REC	110	%	70-130
MSM3002-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	104	%	70-130
MSM3002-BS	2037-26-5	Toluene-D8	BSP	SURR	102	%	70-130
MSM3002-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	70-130
MSM3002-BSD	67-64-1	Acetone	BSD	REC	137	%	70-130
MSM3002-BSD	67-64-1	Acetone	BSD	RPD	13	%	20
MSM3002-BSD	71-43-2	Benzene	BSD	REC	101	%	70-130
MSM3002-BSD	71-43-2	Benzene	BSD	RPD	1	%	20
MSM3002-BSD	108-86-1	Bromobenzene	BSD	REC	102	%	70-130
MSM3002-BSD	108-86-1	Bromobenzene	BSD	RPD	0	%	20
MSM3002-BSD	74-97-5	Bromochloromethane	BSD	REC	103	%	70-130
MSM3002-BSD	74-97-5	Bromochloromethane	BSD	RPD	2	%	20
MSM3002-BSD	75-27-4	Bromodichloromethane	BSD	REC	106	%	70-130
MSM3002-BSD	75-27-4	Bromodichloromethane	BSD	RPD	0	%	20
MSM3002-BSD	75-25-2	Bromoform	BSD	REC	100	%	70-130
MSM3002-BSD	75-25-2	Bromoform	BSD	RPD	4	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: Enviro Trac, Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3002 BSD	74 83 9	Bromomethane	BSD	REC	93	%	70-130
MSM3002 BSD	74 83 9	Bromomethane	BSD	RPD	6	%	20
MSM3002 BSD	78 93 3	2-Butanone (MEK)	BSD	REC	129	%	70-130
MSM3002 BSD	78 93 3	2-Butanone (MEK)	BSD	RPD	17	%	20
MSM3002 BSD	104 51 8	n Butylbenzene	BSD	REC	120	%	70-130
MSM3002 BSD	104 51 8	n Butylbenzene	BSD	RPD	2	%	20
MSM3002 BSD	135 98 8	sec Butylbenzene	BSD	REC	114	%	70-130
MSM3002 BSD	135 98 8	sec Butylbenzene	BSD	RPD	1	%	20
MSM3002 BSD	98 06 6	tert Butylbenzene	BSD	REC	92	%	70-130
MSM3002 BSD	98 06 6	tert Butylbenzene	BSD	RPD	4	%	20
MSM3002 BSD	75 15 0	Carbon disulfide	BSD	REC	94	%	70-130
MSM3002 BSD	75 15 0	Carbon disulfide	BSD	RPD	3	%	20
MSM3002 BSD	56 23 5	Carbon tetrachloride	BSD	REC	110	%	70-130
MSM3002 BSD	56 23 5	Carbon tetrachloride	BSD	RPD	3	%	20
MSM3002 BSD	108 90 7	Chlorobenzene	BSD	REC	99	%	70-130
MSM3002 BSD	108 90 7	Chlorobenzene	BSD	RPD	0	%	20
MSM3002 BSD	75 00 3	Chloroethane	BSD	REC	104	%	70-130
MSM3002 BSD	75 00 3	Chloroethane	BSD	RPD	9	%	20
MSM3002 BSD	67 66 3	Chloroform	BSD	REC	105	%	70-130
MSM3002 BSD	67 66 3	Chloroform	BSD	RPD	2	%	20
MSM3002 BSD	74 87 3	Chloromethane	BSD	REC	106	%	70-130
MSM3002 BSD	74 87 3	Chloromethane	BSD	RPD	4	%	20
MSM3002 BSD	95 49 8	o Chlorotoluene	BSD	REC	110	%	70-130
MSM3002 BSD	95 49 8	o Chlorotoluene	BSD	RPD	0	%	20
MSM3002 BSD	106 43 4	p Chlorotoluene	BSD	REC	109	%	70-130
MSM3002 BSD	106 43 4	p Chlorotoluene	BSD	RPD	1	%	20
MSM3002 BSD	108 20 3	Di Isopropyl ether	BSD	REC	114	%	70-130
MSM3002 BSD	108 20 3	Di Isopropyl ether	BSD	RPD	2	%	20
MSM3002 BSD	96 12 8	1,2 Dibromo 3 chloropropane	BSD	REC	98	%	70-130
MSM3002 BSD	96 12 8	1,2 Dibromo 3 chloropropane	BSD	RPD	10	%	20
MSM3002 BSD	124 48 1	Dibromochloromethane	BSD	REC	97	%	70-130
MSM3002 BSD	124 48 1	Dibromochloromethane	BSD	RPD	0	%	20
MSM3002 BSD	106 93 4	1,2 Dibromoethane	BSD	REC	95	%	70-130
MSM3002 BSD	106 93 4	1,2 Dibromoethane	BSD	RPD	3	%	20
MSM3002 BSD	95 50 1	1,2 Dichlorobenzene	BSD	REC	104	%	70-130
MSM3002 BSD	95 50 1	1,2 Dichlorobenzene	BSD	RPD	2	%	20
MSM3002 BSD	541 73 1	1,3 Dichlorobenzene	BSD	REC	105	%	70-130
MSM3002 BSD	541 73 1	1,3 Dichlorobenzene	BSD	RPD	1	%	20
MSM3002 BSD	106 46 7	1,4 Dichlorobenzene	BSD	REC	104	%	70-130
MSM3002 BSD	106 46 7	1,4 Dichlorobenzene	BSD	RPD	0	%	20
MSM3002 BSD	75 71 8	Dichlorodifluoromethane	BSD	REC	99	%	70-130
MSM3002 BSD	75 71 8	Dichlorodifluoromethane	BSD	RPD	6	%	20
MSM3002 BSD	75 34 3	1,1 Dichloroethane	BSD	REC	107	%	70-130
MSM3002 BSD	75 34 3	1,1 Dichloroethane	BSD	RPD	3	%	20
MSM3002 BSD	107 06 2	1,2 Dichloroethane	BSD	REC	105	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: Enviro Trac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3002-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	3	%	20
MSM3002-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	106	%	70-130
MSM3002-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	2	%	20
MSM3002-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	104	%	70-130
MSM3002-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	3	%	20
MSM3002-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	104	%	70-130
MSM3002-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	4	%	20
MSM3002-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	104	%	70-130
MSM3002-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	1	%	20
MSM3002-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	99	%	70-130
MSM3002-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	0	%	20
MSM3002-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	115	%	70-130
MSM3002-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	4	%	20
MSM3002-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	109	%	70-130
MSM3002-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	2	%	20
MSM3002-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	109	%	70-130
MSM3002-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	2	%	20
MSM3002-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	109	%	70-130
MSM3002-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	1	%	20
MSM3002-BSD	123-91-1	1,4-Dioxane	BSD	REC	112	%	70-130
MSM3002-BSD	123-91-1	1,4-Dioxane	BSD	RPD	1	%	20
MSM3002-BSD	60-29-7	Ethyl Ether	BSD	REC	107	%	70-130
MSM3002-BSD	60-29-7	Ethyl Ether	BSD	RPD	5	%	20
MSM3002-BSD	100-41-4	Ethylbenzene	BSD	REC	105	%	70-130
MSM3002-BSD	100-41-4	Ethylbenzene	BSD	RPD	1	%	20
MSM3002-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	111	%	70-130
MSM3002-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	2	%	20
MSM3002-BSD	591-78-6	2-Hexanone	BSD	REC	117	%	70-130
MSM3002-BSD	591-78-6	2-Hexanone	BSD	RPD	14	%	20
MSM3002-BSD	98-82-8	Isopropylbenzene	BSD	REC	113	%	70-130
MSM3002-BSD	98-82-8	Isopropylbenzene	BSD	RPD	1	%	20
MSM3002-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	118	%	70-130
MSM3002-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	1	%	20
MSM3002-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	109	%	70-130
MSM3002-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	5	%	20
MSM3002-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC	109	%	70-130
MSM3002-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD	11	%	20
MSM3002-BSD	74-95-3	Methylene bromide	BSD	REC	102	%	70-130
MSM3002-BSD	74-95-3	Methylene bromide	BSD	RPD	2	%	20
MSM3002-BSD	75-09-2	Methylene chloride	BSD	REC	100	%	70-130
MSM3002-BSD	75-09-2	Methylene chloride	BSD	RPD	3	%	20
MSM3002-BSD	91-20-3	Naphthalene	BSD	REC	109	%	70-130
MSM3002-BSD	91-20-3	Naphthalene	BSD	RPD	8	%	20
MSM3002-BSD	103 65-1	n-Propylbenzene	BSD	REC	112	%	70-130
MSM3002-BSD	103 65-1	n-Propylbenzene	BSD	RPD	1	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3002-BSD	100-42-5	Styrene	BSD	REC	111	%	70-130
MSM3002-BSD	100-42-5	Styrene	BSD	RPD	0	%	20
MSM3002-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	113	%	70-130
MSM3002-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	2	%	20
MSM3002-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	112	%	70-130
MSM3002-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	3	%	20
MSM3002-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	100	%	70-130
MSM3002-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	2	%	20
MSM3002-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	96	%	70-130
MSM3002-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	5	%	20
MSM3002-BSD	127-18-4	Tetrachloroethene	BSD	REC	101	%	70-130
MSM3002-BSD	127-18-4	Tetrachloroethene	BSD	RPD	0	%	20
MSM3002-BSD	109-99-9	Tetrahydrofuran	BSD	REC	105	%	70-130
MSM3002-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	6	%	20
MSM3002-BSD	108-88-3	Toluene	BSD	REC	104	%	70-130
MSM3002-BSD	108-88-3	Toluene	BSD	RPD	0	%	20
MSM3002-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	109	%	70-130
MSM3002-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	6	%	20
MSM3002-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	113	%	70-130
MSM3002-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	5	%	20
MSM3002-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	109	%	70-130
MSM3002-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	4	%	20
MSM3002-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	100	%	70-130
MSM3002-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	2	%	20
MSM3002-BSD	79-01-6	Trichloroethene	BSD	REC	103	%	70-130
MSM3002-BSD	79-01-6	Trichloroethene	BSD	RPD	2	%	20
MSM3002-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	110	%	70-130
MSM3002-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	5	%	20
MSM3002-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	99	%	70-130
MSM3002-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	3	%	20
MSM3002-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	115	%	70-130
MSM3002-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	2	%	20
MSM3002-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	113	%	70-130
MSM3002-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	1	%	20
MSM3002-BSD	75-01-4	Vinyl chloride	BSD	REC	106	%	70-130
MSM3002-BSD	75-01-4	Vinyl chloride	BSD	RPD	6	%	20
MSM3002-BSD		m,p-Xylene	BSD	REC	108	%	70-130
MSM3002-BSD		m,p-Xylene	BSD	RPD	1	%	20
MSM3002-BSD	95-47-6	o-Xylene	BSD	REC	113	%	70-130
MSM3002-BSD	95-47-6	o-Xylene	BSD	RPD	0	%	20
MSM3002-BSD	1330-20-7	Xylene (total)	BSD	REC	110	%	70-130
MSM3002-BSD	1330-20-7	Xylene (total)	BSD	RPD	0	%	20
MSM3002-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	101	%	70-130
MSM3002-BSD	2037-26-5	Toluene-D8	BSD	SURR	102	%	70-130
MSM3002-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	100	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3002-MB	1868-53-7	Dibromofluoromethane	MB	SURR	121	%	70-130
MSM3002-MB	2037-26-5	Toluene-D8	MB	SURR	103	%	70-130
MSM3002-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	70-130
MC49976-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	131	%	70-130
MC49976-4	2037-26-5	Toluene-D8	SAMP	SURR	103	%	70-130
MC49976-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	70-130
MC49976-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	130	%	70-130
MC49976-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	131	%	70-130
MC49976-8	2037-26-5	Toluene-D8	SAMP	SURR	103	%	70-130
MC49976-8	2037-26-5	Toluene-D8	SAMP	SURR	103	%	70-130
MC49976-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	121	%	70-130
MC49976-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	111	%	70-130
MC49976-12	1868-53-7	Dibromofluoromethane	SAMP	SURR	133	%	70-130
MC49976-12	1868-53-7	Dibromofluoromethane	SAMP	SURR	133	%	70-130
MC49976-12	2037-26-5	Toluene-D8	SAMP	SURR	111	%	70-130
MC49976-12	2037-26-5	Toluene-D8	SAMP	SURR	104	%	70-130
MC49976-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR	121	%	70-130
MC49976-12	460-00-4	4-Bromofluorobenzene	SAMP	SURR	124	%	70-130
MC49976-16	1868-53-7	Dibromofluoromethane	SAMP	SURR	136	%	70-130
MC49976-16	2037-26-5	Toluene-D8	SAMP	SURR	106	%	70-130
MC49976-16	2037-26-5	Toluene-D8	SAMP	SURR	106	%	70-130
MC49976-16	460-00-4	4-Bromofluorobenzene	SAMP	SURR	101	%	70-130
MC49976-16	460-00-4	4-Bromofluorobenzene	SAMP	SURR	102	%	70-130
MC49976-20	1868-53-7	Dibromofluoromethane	SAMP	SURR	136	%	70-130
MC49976-20	2037-26-5	Toluene-D8	SAMP	SURR	114	%	70-130
MC49976-20	460-00-4	4-Bromofluorobenzene	SAMP	SURR	107	%	70-130
MSM3003	SW846 8260C						
MSM3003-BS	67-64-1	Acetone	BSP	REC	157	%	70-130
MSM3003-BS	71-43-2	Benzene	BSP	REC	104	%	70-130
MSM3003-BS	108-86-1	Bromobenzene	BSP	REC	102	%	70-130
MSM3003-BS	74-97-5	Bromochloromethane	BSP	REC	108	%	70-130
MSM3003-BS	75-27-4	Bromodichloromethane	BSP	REC	111	%	70-130
MSM3003-BS	75-25-2	Bromoform	BSP	REC	107	%	70-130
MSM3003-BS	74-83-9	Bromomethane	BSP	REC	92	%	70-130
MSM3003-BS	78-93-3	2-Butanone (MEK)	BSP	REC	149	%	70-130
MSM3003-BS	104-51-8	n-Butylbenzene	BSP	REC	114	%	70-130
MSM3003-BS	135-98-8	sec-Butylbenzene	BSP	REC	110	%	70-130
MSM3003-BS	98 06-6	tert-Butylbenzene	BSP	REC	92	%	70-130
MSM3003-BS	75-15-0	Carbon disulfide	BSP	REC	94	%	70-130
MSM3003-BS	56-23-5	Carbon tetrachloride	BSP	REC	112	%	70-130
MSM3003-BS	108-90-7	Chlorobenzene	BSP	REC	97	%	70-130
MSM3003-BS	75-00-3	Chloroethane	BSP	REC	102	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BS	67-66-3	Chloroform	BSP	REC	110	%	70-130
MSM3003-BS	74-87-3	Chloromethane	BSP	REC	106	%	70-130
MSM3003-BS	95-49-8	o-Chlorotoluene	BSP	REC	108	%	70-130
MSM3003-BS	106-43-4	p-Chlorotoluene	BSP	REC	108	%	70-130
MSM3003-BS	108-20-3	Di-Isopropyl ether	BSP	REC	117	%	70-130
MSM3003-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	113	%	70-130
MSM3003-BS	124-48-1	Dibromochloromethane	BSP	REC	101	%	70-130
MSM3003-BS	106-93-4	1,2-Dibromoethane	BSP	REC	102	%	70-130
MSM3003-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	102	%	70-130
MSM3003-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	103	%	70-130
MSM3003-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	100	%	70-130
MSM3003-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	93	%	70-130
MSM3003-BS	75-34-3	1,1-Dichloroethane	BSP	REC	111	%	70-130
MSM3003-BS	107-06-2	1,2-Dichloroethane	BSP	REC	116	%	70-130
MSM3003-BS	75-35-4	1,1-Dichloroethene	BSP	REC	104	%	70-130
MSM3003-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	106	%	70-130
MSM3003-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	106	%	70-130
MSM3003-BS	78-87-5	1,2-Dichloropropane	BSP	REC	108	%	70-130
MSM3003-BS	142-28-9	1,3-Dichloropropane	BSP	REC	104	%	70-130
MSM3003-BS	594-20-7	2,2-Dichloropropane	BSP	REC	113	%	70-130
MSM3003-BS	563-58-6	1,1-Dichloropropene	BSP	REC	111	%	70-130
MSM3003-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	113	%	70-130
MSM3003-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	118	%	70-130
MSM3003-BS	123-91-1	1,4-Dioxane	BSP	REC	137	%	70-130
MSM3003-BS	60-29-7	Ethyl Ether	BSP	REC	115	%	70-130
MSM3003-BS	100-41-4	Ethylbenzene	BSP	REC	104	%	70-130
MSM3003-BS	87-68-3	Hexachlorobutadiene	BSP	REC	102	%	70-130
MSM3003-BS	591-78-6	2-Hexanone	BSP	REC	132	%	70-130
MSM3003-BS	98-82-8	Isopropylbenzene	BSP	REC	109	%	70-130
MSM3003-BS	99-87-6	p-Isopropyltoluene	BSP	REC	112	%	70-130
MSM3003-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	116	%	70-130
MSM3003-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	129	%	70-130
MSM3003-BS	74-95-3	Methylene bromide	BSP	REC	111	%	70-130
MSM3003-BS	75-09-2	Methylene chloride	BSP	REC	102	%	70-130
MSM3003-BS	91-20-3	Naphthalene	BSP	REC	113	%	70-130
MSM3003-BS	103-65-1	n-Propylbenzene	BSP	REC	109	%	70-130
MSM3003-BS	100-42-5	Styrene	BSP	REC	111	%	70-130
MSM3003-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	118	%	70-130
MSM3003-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	115	%	70-130
MSM3003-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	100	%	70-130
MSM3003-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	104	%	70-130
MSM3003-BS	127-18-4	Tetrachloroethene	BSP	REC	98	%	70-130
MSM3003-BS	109-99-9	Tetrahydrofuran	BSP	REC	125	%	70-130
MSM3003-BS	108-88-3	Toluene	BSP	REC	107	%	70-130
MSM3003-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	104	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	104	%	70-130
MSM3003-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	111	%	70-130
MSM3003-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	109	%	70-130
MSM3003-BS	79-01-6	Trichloroethene	BSP	REC	106	%	70-130
MSM3003-BS	75-69-4	Trichlorofluoromethane	BSP	REC	111	%	70-130
MSM3003-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	107	%	70-130
MSM3003-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	111	%	70-130
MSM3003-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	110	%	70-130
MSM3003-BS	75-01-4	Vinyl chloride	BSP	REC	105	%	70-130
MSM3003-BS		m,p-Xylene	BSP	REC	107	%	70-130
MSM3003-BS	95-47-6	o-Xylene	BSP	REC	110	%	70-130
MSM3003-BS	1330-20-7	Xylene (total)	BSP	REC	108	%	70-130
MSM3003-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	104	%	70-130
MSM3003-BS	2037-26-5	Toluene-D8	BSP	SURR	103	%	70-130
MSM3003-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	101	%	70-130
MSM3003-BSD	67-64-1	Acetone	BSD	REC	174	%	70-130
MSM3003-BSD	67-64-1	Acetone	BSD	RPD	10	%	20
MSM3003-BSD	71-43-2	Benzene	BSD	REC	106	%	70-130
MSM3003-BSD	71-43-2	Benzene	BSD	RPD	2	%	20
MSM3003-BSD	108-86-1	Bromobenzene	BSD	REC	105	%	70-130
MSM3003-BSD	108-86-1	Bromobenzene	BSD	RPD	3	%	20
MSM3003-BSD	74-97-5	Bromochloromethane	BSD	REC	108	%	70-130
MSM3003-BSD	74-97-5	Bromochloromethane	BSD	RPD	1	%	20
MSM3003-BSD	75-27-4	Bromodichloromethane	BSD	REC	112	%	70-130
MSM3003-BSD	75-27-4	Bromodichloromethane	BSD	RPD	1	%	20
MSM3003-BSD	75-25-2	Bromoform	BSD	REC	103	%	70-130
MSM3003-BSD	75-25-2	Bromoform	BSD	RPD	4	%	20
MSM3003-BSD	74-83-9	Bromomethane	BSD	REC	97	%	70-130
MSM3003-BSD	74-83-9	Bromomethane	BSD	RPD	6	%	20
MSM3003-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	143	%	70-130
MSM3003-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	4	%	20
MSM3003-BSD	104-51-8	n-Butylbenzene	BSD	REC	124	%	70-130
MSM3003-BSD	104-51-8	n-Butylbenzene	BSD	RPD	9	%	20
MSM3003-BSD	135-98-8	sec-Butylbenzene	BSD	REC	118	%	70-130
MSM3003-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	7	%	20
MSM3003-BSD	98-06-6	tert-Butylbenzene	BSD	REC	114	%	70-130
MSM3003-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	21	%	20
MSM3003-BSD	75-15-0	Carbon disulfide	BSD	REC	96	%	70-130
MSM3003-BSD	75-15-0	Carbon disulfide	BSD	RPD	3	%	20
MSM3003-BSD	56-23-5	Carbon tetrachloride	BSD	REC	116	%	70-130
MSM3003-BSD	56-23-5	Carbon tetrachloride	BSD	RPD	3	%	20
MSM3003-BSD	108-90-7	Chlorobenzene	BSD	REC	102	%	70-130
MSM3003-BSD	108-90-7	Chlorobenzene	BSD	RPD	4	%	20
MSM3003-BSD	75-00-3	Chloroethane	BSD	REC	111	%	70-130
MSM3003-BSD	75-00-3	Chloroethane	BSD	RPD	8	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BSD	67-66-3	Chloroform	BSD	REC	113	%	70-130
MSM3003-BSD	67-66-3	Chloroform	BSD	RPD	3	%	20
MSM3003-BSD	74-87-3	Chloromethane	BSD	REC	109	%	70-130
MSM3003-BSD	74-87-3	Chloromethane	BSD	RPD	3	%	20
MSM3003-BSD	95-49-8	o-Chlorotoluene	BSD	REC	114	%	70-130
MSM3003-BSD	95-49-8	o-Chlorotoluene	BSD	RPD	5	%	20
MSM3003-BSD	106-43-4	p-Chlorotoluene	BSD	REC	114	%	70-130
MSM3003-BSD	106-43-4	p-Chlorotoluene	BSD	RPD	5	%	20
MSM3003-BSD	108-20-3	Di-Isopropyl ether	BSD	REC	119	%	70-130
MSM3003-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD	1	%	20
MSM3003-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC	106	%	70-130
MSM3003-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD	7	%	20
MSM3003-BSD	124-48-1	Dibromochloromethane	BSD	REC	101	%	70-130
MSM3003-BSD	124-48-1	Dibromochloromethane	BSD	RPD	1	%	20
MSM3003-BSD	106-93-4	1,2-Dibromoethane	BSD	REC	99	%	70-130
MSM3003-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD	3	%	20
MSM3003-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	106	%	70-130
MSM3003-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	4	%	20
MSM3003-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	108	%	70-130
MSM3003-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	5	%	20
MSM3003-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	106	%	70-130
MSM3003-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	5	%	20
MSM3003-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	99	%	70-130
MSM3003-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD	6	%	20
MSM3003-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	112	%	70-130
MSM3003-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	1	%	20
MSM3003-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	114	%	70-130
MSM3003-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	2	%	20
MSM3003-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	110	%	70-130
MSM3003-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	6	%	20
MSM3003-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	109	%	70-130
MSM3003-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	3	%	20
MSM3003-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	111	%	70-130
MSM3003-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	5	%	20
MSM3003-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	108	%	70-130
MSM3003-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	1	%	20
MSM3003-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	104	%	70-130
MSM3003-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	0	%	20
MSM3003-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	121	%	70-130
MSM3003-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	7	%	20
MSM3003-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	116	%	70-130
MSM3003-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	4	%	20
MSM3003-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	114	%	70-130
MSM3003-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	1	%	20
MSM3003-BSD	10061-02 6	trans-1,3-Dichloropropene	BSD	REC	116	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	1	%	20
MSM3003-BSD	123-91-1	1,4-Dioxane	BSD	REC	111	%	70-130
MSM3003-BSD	123-91-1	1,4-Dioxane	BSD	RPD	21	%	20
MSM3003-BSD	60-29-7	Ethyl Ether	BSD	REC	114	%	70-130
MSM3003-BSD	60-29-7	Ethyl Ether	BSD	RPD	1	%	20
MSM3003-BSD	100-41-4	Ethylbenzene	BSD	REC	109	%	70-130
MSM3003-BSD	100-41-4	Ethylbenzene	BSD	RPD	5	%	20
MSM3003-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	112	%	70-130
MSM3003-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	10	%	20
MSM3003-BSD	591-78-6	2-Hexanone	BSD	REC	128	%	70-130
MSM3003-BSD	591-78-6	2-Hexanone	BSD	RPD	3	%	20
MSM3003-BSD	98-82-8	Isopropylbenzene	BSD	REC	117	%	70-130
MSM3003-BSD	98-82-8	Isopropylbenzene	BSD	RPD	7	%	20
MSM3003-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	121	%	70-130
MSM3003-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	8	%	20
MSM3003-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	114	%	70-130
MSM3003-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	2	%	20
MSM3003-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC	121	%	70-130
MSM3003-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD	6	%	20
MSM3003-BSD	74-95-3	Methylene bromide	BSD	REC	109	%	70-130
MSM3003-BSD	74-95-3	Methylene bromide	BSD	RPD	1	%	20
MSM3003-BSD	75-09-2	Methylene chloride	BSD	REC	104	%	70-130
MSM3003-BSD	75-09-2	Methylene chloride	BSD	RPD	2	%	20
MSM3003-BSD	91-20-3	Naphthalene	BSD	REC	112	%	70-130
MSM3003-BSD	91-20-3	Naphthalene	BSD	RPD	0	%	20
MSM3003-BSD	103-65-1	n-Propylbenzene	BSD	REC	117	%	70-130
MSM3003-BSD	103-65-1	n-Propylbenzene	BSD	RPD	7	%	20
MSM3003-BSD	100-42-5	Styrene	BSD	REC	115	%	70-130
MSM3003-BSD	100-42-5	Styrene	BSD	RPD	4	%	20
MSM3003-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	115	%	70-130
MSM3003-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	2	%	20
MSM3003-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	118	%	70-130
MSM3003-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	2	%	20
MSM3003-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	103	%	70-130
MSM3003-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	3	%	20
MSM3003-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	101	%	70-130
MSM3003-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	2	%	20
MSM3003-BSD	127-18-4	Tetrachloroethene	BSD	REC	103	%	70-130
MSM3003-BSD	127-18-4	Tetrachloroethene	BSD	RPD	6	%	20
MSM3003-BSD	109-99-9	Tetrahydrofuran	BSD	REC	115	%	70-130
MSM3003-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	9	%	20
MSM3003-BSD	108-88-3	Toluene	BSD	REC	110	%	70-130
MSM3003-BSD	108-88-3	Toluene	BSD	RPD	3	%	20
MSM3003-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	110	%	70-130
MSM3003-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	6	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3003-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	114	%	70-130
MSM3003-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	9	%	20
MSM3003-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	115	%	70-130
MSM3003-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	4	%	20
MSM3003-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	106	%	70-130
MSM3003-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	2	%	20
MSM3003-BSD	79-01-6	Trichloroethene	BSD	REC	108	%	70-130
MSM3003-BSD	79-01-6	Trichloroethene	BSD	RPD	2	%	20
MSM3003-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	117	%	70-130
MSM3003-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	5	%	20
MSM3003-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	105	%	70-130
MSM3003-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	2	%	20
MSM3003-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	119	%	70-130
MSM3003-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	7	%	20
MSM3003-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	118	%	70-130
MSM3003-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	7	%	20
MSM3003-BSD	75-01-4	Vinyl chloride	BSD	REC	111	%	70-130
MSM3003-BSD	75-01-4	Vinyl chloride	BSD	RPD	5	%	20
MSM3003-BSD		m,p-Xylene	BSD	REC	112	%	70-130
MSM3003-BSD		m,p-Xylene	BSD	RPD	5	%	20
MSM3003-BSD	95-47-6	o-Xylene	BSD	REC	115	%	70-130
MSM3003-BSD	95-47-6	o-Xylene	BSD	RPD	4	%	20
MSM3003-BSD	1330-20-7	Xylene (total)	BSD	REC	113	%	70-130
MSM3003-BSD	1330-20-7	Xylene (total)	BSD	RPD	5	%	20
MSM3003-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	103	%	70-130
MSM3003-BSD	2037-26-5	Toluene-D8	BSD	SURR	103	%	70-130
MSM3003-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	101	%	70-130
MSM3003-MB	1868-53-7	Dibromofluoromethane	MB	SURR	130	%	70-130
MSM3003-MB	2037-26-5	Toluene-D8	MB	SURR	104	%	70-130
MSM3003-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	98	%	70-130
MC49976-28	1868-53-7	Dibromofluoromethane	SAMP	SURR	127	%	70-130
MC49976-28	2037-26-5	Toluene-D8	SAMP	SURR	104	%	70-130
MC49976-28	460-00-4	4-Bromofluorobenzene	SAMP	SURR	106	%	70-130
MC49976-32	1868-53-7	Dibromofluoromethane	SAMP	SURR	134	%	70-130
MC49976-32	2037-26-5	Toluene-D8	SAMP	SURR	107	%	70-130
MC49976-32	460-00-4	4-Bromofluorobenzene	SAMP	SURR	106	%	70-130
MC49976-36	1868-53-7	Dibromofluoromethane	SAMP	SURR	138	%	70-130
MC49976-36	2037-26-5	Toluene-D8	SAMP	SURR	107	%	70-130
MC49976-36	460-00-4	4-Bromofluorobenzene	SAMP	SURR	108	%	70-130
MC49976-40	1868-53-7	Dibromofluoromethane	SAMP	SURR	138	%	70-130
MC49976-40	2037-26-5	Toluene-D8	SAMP	SURR	106	%	70-130
MC49976-40	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	70-130
MC49976-44	1868-53-7	Dibromofluoromethane	SAMP	SURR	147 [b]	%	70-130
MC49976-44	1868-53-7	Dibromofluoromethane	SAMP	SURR	136	%	70-130
MC49976-44	2037-26-5	Toluene-D8	SAMP	SURR	108	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-44	2037-26-5	Toluene-D8	SAMP	SURR	110	%	70-130
MC49976-44	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	70-130
MC49976-44	460-00-4	4-Bromofluorobenzene	SAMP	SURR	117	%	70-130
MC49976-48	1868-53-7	Dibromofluoromethane	SAMP	SURR	142 [c]	%	70-130
MC49976-48	1868-53-7	Dibromofluoromethane	SAMP	SURR	150 [c]	%	70-130
MC49976-48	2037-26-5	Toluene-D8	SAMP	SURR	109	%	70-130
MC49976-48	2037-26-5	Toluene-D8	SAMP	SURR	106	%	70-130
MC49976-48	460-00-4	4-Bromofluorobenzene	SAMP	SURR	105	%	70-130
MC49976-48	460-00-4	4-Bromofluorobenzene	SAMP	SURR	112	%	70-130
MC49976-56	1868-53-7	Dibromofluoromethane	SAMP	SURR	147 [c]	%	70-130
MC49976-56	1868-53-7	Dibromofluoromethane	SAMP	SURR	173 [c]	%	70-130
MC49976-56	2037-26-5	Toluene-D8	SAMP	SURR	114	%	70-130
MC49976-56	2037-26-5	Toluene-D8	SAMP	SURR	107	%	70-130
MC49976-56	460-00-4	4-Bromofluorobenzene	SAMP	SURR	112	%	70-130
MC49976-56	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	70-130
MC49976-60	1868-53-7	Dibromofluoromethane	SAMP	SURR	167 [c]	%	70-130
MC49976-60	1868-53-7	Dibromofluoromethane	SAMP	SURR	151 [c]	%	70-130
MC49976-60	2037-26-5	Toluene-D8	SAMP	SURR	111	%	70-130
MC49976-60	2037-26-5	Toluene-D8	SAMP	SURR	111	%	70-130
MC49976-60	460-00-4	4-Bromofluorobenzene	SAMP	SURR	116	%	70-130
MC49976-72	1868-53-7	Dibromofluoromethane	SAMP	SURR	170 [c]	%	70-130
MC49976-72	1868-53-7	Dibromofluoromethane	SAMP	SURR	169 [c]	%	70-130
MC49976-72	2037-26-5	Toluene-D8	SAMP	SURR	114	%	70-130
MC49976-72	2037-26-5	Toluene-D8	SAMP	SURR	110	%	70-130
MC49976-72	460-00-4	4-Bromofluorobenzene	SAMP	SURR	113	%	70-130
MC49976-72	460-00-4	4-Bromofluorobenzene	SAMP	SURR	100	%	70-130
MSM3004	SW846 8260C						
MSM3004-BS	67-64-1	Acetone	BSP	REC	138	%	70-130
MSM3004-BS	71-43-2	Benzene	BSP	REC	108	%	70-130
MSM3004-BS	108-86-1	Bromobenzene	BSP	REC	94	%	70-130
MSM3004-BS	74-97-5	Bromochloromethane	BSP	REC	108	%	70-130
MSM3004-BS	75-27-4	Bromodichloromethane	BSP	REC	110	%	70-130
MSM3004-BS	75-25-2	Bromoform	BSP	REC	97	%	70-130
MSM3004-BS	74-83-9	Bromomethane	BSP	REC	94	%	70-130
MSM3004-BS	78-93-3	2-Butanone (MEK)	BSP	REC	143	%	70-130
MSM3004-BS	104-51-8	n-Butylbenzene	BSP	REC	116	%	70-130
MSM3004-BS	135-98-8	sec-Butylbenzene	BSP	REC	109	%	70-130
MSM3004-BS	98-06-6	tert-Butylbenzene	BSP	REC	91	%	70-130
MSM3004-BS	75-15-0	Carbon disulfide	BSP	REC	102	%	70-130
MSM3004-BS	56-23-5	Carbon tetrachloride	BSP	REC	108	%	70-130
MSM3004-BS	108-90-7	Chlorobenzene	BSP	REC	91	%	70-130
MSM3004-BS	75-00-3	Chloroethane	BSP	REC	99	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BS	67-66-3	Chloroform	BSP	REC	116	%	70-130
MSM3004-BS	74-87-3	Chloromethane	BSP	REC	101	%	70-130
MSM3004-BS	95-49-8	o-Chlorotoluene	BSP	REC	107	%	70-130
MSM3004-BS	106-43-4	p-Chlorotoluene	BSP	REC	105	%	70-130
MSM3004-BS	108-20-3	Di-Isopropyl ether	BSP	REC	118	%	70-130
MSM3004-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	103	%	70-130
MSM3004-BS	124-48-1	Dibromochloromethane	BSP	REC	90	%	70-130
MSM3004-BS	106-93-4	1,2-Dibromoethane	BSP	REC	91	%	70-130
MSM3004-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	99	%	70-130
MSM3004-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	98	%	70-130
MSM3004-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	96	%	70-130
MSM3004-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	86	%	70-130
MSM3004-BS	75-34-3	1,1-Dichloroethane	BSP	REC	116	%	70-130
MSM3004-BS	107-06-2	1,2-Dichloroethane	BSP	REC	112	%	70-130
MSM3004-BS	75-35-4	1,1-Dichloroethene	BSP	REC	110	%	70-130
MSM3004-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	114	%	70-130
MSM3004-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	114	%	70-130
MSM3004-BS	78-87-5	1,2-Dichloropropane	BSP	REC	109	%	70-130
MSM3004-BS	142-28-9	1,3-Dichloropropane	BSP	REC	100	%	70-130
MSM3004-BS	594-20-7	2,2-Dichloropropane	BSP	REC	112	%	70-130
MSM3004-BS	563-58-6	1,1-Dichloropropene	BSP	REC	114	%	70-130
MSM3004-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	109	%	70-130
MSM3004-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	112	%	70-130
MSM3004-BS	123-91-1	1,4-Dioxane	BSP	REC	96	%	70-130
MSM3004-BS	60-29-7	Ethyl Ether	BSP	REC	115	%	70-130
MSM3004-BS	100-41-4	Ethylbenzene	BSP	REC	100	%	70-130
MSM3004-BS	87-68-3	Hexachlorobutadiene	BSP	REC	105	%	70-130
MSM3004-BS	591-78-6	2-Hexanone	BSP	REC	104	%	70-130
MSM3004-BS	98-82-8	Isopropylbenzene	BSP	REC	107	%	70-130
MSM3004-BS	99-87-6	p-Isopropyltoluene	BSP	REC	109	%	70-130
MSM3004-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	117	%	70-130
MSM3004-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	114	%	70-130
MSM3004-BS	74-95-3	Methylene bromide	BSP	REC	109	%	70-130
MSM3004-BS	75-09-2	Methylene chloride	BSP	REC	113	%	70-130
MSM3004-BS	91-20-3	Naphthalene	BSP	REC	104	%	70-130
MSM3004-BS	103-65-1	n-Propylbenzene	BSP	REC	110	%	70-130
MSM3004-BS	100-42-5	Styrene	BSP	REC	106	%	70-130
MSM3004-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	115	%	70-130
MSM3004-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	114	%	70-130
MSM3004-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	93	%	70-130
MSM3004-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	102	%	70-130
MSM3004-BS	127-18-4	Tetrachloroethene	BSP	REC	89	%	70-130
MSM3004-BS	109-99-9	Tetrahydrofuran	BSP	REC	113	%	70-130
MSM3004-BS	108-88-3	Toluene	BSP	REC	106	%	70-130
MSM3004-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	101	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	100	%	70-130
MSM3004-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	113	%	70-130
MSM3004-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	109	%	70-130
MSM3004-BS	79-01-6	Trichloroethene	BSP	REC	103	%	70-130
MSM3004-BS	75-69-4	Trichlorofluoromethane	BSP	REC	112	%	70-130
MSM3004-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	103	%	70-130
MSM3004-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	111	%	70-130
MSM3004-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	110	%	70-130
MSM3004-BS	75-01-4	Vinyl chloride	BSP	REC	113	%	70-130
MSM3004-BS		m,p-Xylene	BSP	REC	100	%	70-130
MSM3004-BS	95-47-6	o-Xylene	BSP	REC	105	%	70-130
MSM3004-BS	1330-20-7	Xylene (total)	BSP	REC	102	%	70-130
MSM3004-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	111	%	70-130
MSM3004-BS	2037-26-5	Toluene-D8	BSP	SURR	105	%	70-130
MSM3004-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	99	%	70-130
MSM3004-BSD	67-64-1	Acetone	BSD	REC	120	%	70-130
MSM3004-BSD	67-64-1	Acetone	BSD	RPD	14	%	20
MSM3004-BSD	71-43-2	Benzene	BSD	REC	107	%	70-130
MSM3004-BSD	71-43-2	Benzene	BSD	RPD	1	%	20
MSM3004-BSD	108-86-1	Bromobenzene	BSD	REC	98	%	70-130
MSM3004-BSD	108-86-1	Bromobenzene	BSD	RPD	4	%	20
MSM3004-BSD	74-97-5	Bromochloromethane	BSD	REC	105	%	70-130
MSM3004-BSD	74-97-5	Bromochloromethane	BSD	RPD	2	%	20
MSM3004-BSD	75-27-4	Bromodichloromethane	BSD	REC	109	%	70-130
MSM3004-BSD	75-27-4	Bromodichloromethane	BSD	RPD	1	%	20
MSM3004-BSD	75-25-2	Bromoform	BSD	REC	99	%	70-130
MSM3004-BSD	75-25-2	Bromoform	BSD	RPD	1	%	20
MSM3004-BSD	74-83-9	Bromomethane	BSD	REC	92	%	70-130
MSM3004-BSD	74-83-9	Bromomethane	BSD	RPD	2	%	20
MSM3004-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	121	%	70-130
MSM3004-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	17	%	20
MSM3004-BSD	104-51-8	n-Butylbenzene	BSD	REC	118	%	70-130
MSM3004-BSD	104-51-8	n-Butylbenzene	BSD	RPD	2	%	20
MSM3004-BSD	135-98-8	sec-Butylbenzene	BSD	REC	112	%	70-130
MSM3004-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	3	%	20
MSM3004-BSD	98-06-6	tert-Butylbenzene	BSD	REC	92	%	70-130
MSM3004-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	1	%	20
MSM3004-BSD	75-15-0	Carbon disulfide	BSD	REC	97	%	70-130
MSM3004-BSD	75-15-0	Carbon disulfide	BSD	RPD	6	%	20
MSM3004-BSD	56-23-5	Carbon tetrachloride	BSD	REC	103	%	70-130
MSM3004-BSD	56-23-5	Carbon tetrachloride	BSD	RPD	5	%	20
MSM3004-BSD	108-90-7	Chlorobenzene	BSD	REC	94	%	70-130
MSM3004-BSD	108-90-7	Chlorobenzene	BSD	RPD	3	%	20
MSM3004-BSD	75-00-3	Chloroethane	BSD	REC	93	%	70-130
MSM3004-BSD	75-00-3	Chloroethane	BSD	RPD	6	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03-28-17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BSD	67-66-3	Chloroform	BSD	REC	114	%	70-130
MSM3004-BSD	67-66-3	Chloroform	BSD	RPD	2	%	20
MSM3004-BSD	74-87-3	Chloromethane	BSD	REC	95	%	70-130
MSM3004-BSD	74-87-3	Chloromethane	BSD	RPD	6	%	20
MSM3004-BSD	95-49-8	o-Chlorotoluene	BSD	REC	111	%	70-130
MSM3004-BSD	95-49-8	o-Chlorotoluene	BSD	RPD	3	%	20
MSM3004-BSD	106-43-4	p-Chlorotoluene	BSD	REC	110	%	70-130
MSM3004-BSD	106-43-4	p-Chlorotoluene	BSD	RPD	4	%	20
MSM3004-BSD	108-20-3	Di-Isopropyl ether	BSD	REC	115	%	70-130
MSM3004-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD	3	%	20
MSM3004-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC	105	%	70-130
MSM3004-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD	1	%	20
MSM3004-BSD	124-48-1	Dibromochloromethane	BSD	REC	93	%	70-130
MSM3004-BSD	124-48-1	Dibromochloromethane	BSD	RPD	3	%	20
MSM3004-BSD	106-93-4	1,2-Dibromoethane	BSD	REC	91	%	70-130
MSM3004-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD	3	%	20
MSM3004-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	100	%	70-130
MSM3004-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	2	%	20
MSM3004-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	101	%	70-130
MSM3004-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	3	%	20
MSM3004-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	100	%	70-130
MSM3004-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	4	%	20
MSM3004-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	76	%	70-130
MSM3004-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD	12	%	20
MSM3004-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	112	%	70-130
MSM3004-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	3	%	20
MSM3004-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	110	%	70-130
MSM3004-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	2	%	20
MSM3004-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	107	%	70-130
MSM3004-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	4	%	20
MSM3004-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	112	%	70-130
MSM3004-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	2	%	20
MSM3004-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	109	%	70-130
MSM3004-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	4	%	20
MSM3004-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	110	%	70-130
MSM3004-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	0	%	20
MSM3004-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	103	%	70-130
MSM3004-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	2	%	20
MSM3004-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	108	%	70-130
MSM3004-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	4	%	20
MSM3004-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	112	%	70-130
MSM3004-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	2	%	20
MSM3004-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	112	%	70-130
MSM3004-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	3	%	20
MSM3004-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	116	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03-28-17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	4	%	20
MSM3004-BSD	123-91-1	1,4-Dioxane	BSD	REC	95	%	70-130
MSM3004-BSD	123-91-1	1,4-Dioxane	BSD	RPD	1	%	20
MSM3004-BSD	60-29-7	Ethyl Ether	BSD	REC	113	%	70-130
MSM3004-BSD	60-29-7	Ethyl Ether	BSD	RPD	2	%	20
MSM3004-BSD	100-41-4	Ethylbenzene	BSD	REC	103	%	70-130
MSM3004-BSD	100-41-4	Ethylbenzene	BSD	RPD	3	%	20
MSM3004-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	104	%	70-130
MSM3004-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	1	%	20
MSM3004-BSD	591-78-6	2-Hexanone	BSD	REC	99	%	70-130
MSM3004-BSD	591-78-6	2-Hexanone	BSD	RPD	6	%	20
MSM3004-BSD	98-82-8	Isopropylbenzene	BSD	REC	110	%	70-130
MSM3004-BSD	98-82-8	Isopropylbenzene	BSD	RPD	3	%	20
MSM3004-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	111	%	70-130
MSM3004-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	2	%	20
MSM3004-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	113	%	70-130
MSM3004-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	3	%	20
MSM3004-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC	110	%	70-130
MSM3004-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD	4	%	20
MSM3004-BSD	74-95-3	Methylene bromide	BSD	REC	107	%	70-130
MSM3004-BSD	74-95-3	Methylene bromide	BSD	RPD	2	%	20
MSM3004-BSD	75-09-2	Methylene chloride	BSD	REC	107	%	70-130
MSM3004-BSD	75-09-2	Methylene chloride	BSD	RPD	5	%	20
MSM3004-BSD	91-20-3	Naphthalene	BSD	REC	104	%	70-130
MSM3004-BSD	91-20-3	Naphthalene	BSD	RPD	0	%	20
MSM3004-BSD	103-65-1	n-Propylbenzene	BSD	REC	113	%	70-130
MSM3004-BSD	103-65-1	n-Propylbenzene	BSD	RPD	3	%	20
MSM3004-BSD	100-42-5	Styrene	BSD	REC	108	%	70-130
MSM3004-BSD	100-42-5	Styrene	BSD	RPD	2	%	20
MSM3004-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	112	%	70-130
MSM3004-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	3	%	20
MSM3004-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	113	%	70-130
MSM3004-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	1	%	20
MSM3004-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	92	%	70-130
MSM3004-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	0	%	20
MSM3004-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	105	%	70-130
MSM3004-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	3	%	20
MSM3004-BSD	127-18-4	Tetrachloroethene	BSD	REC	92	%	70-130
MSM3004-BSD	127-18-4	Tetrachloroethene	BSD	RPD	3	%	20
MSM3004-BSD	109-99-9	Tetrahydrofuran	BSD	REC	112	%	70-130
MSM3004-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	1	%	20
MSM3004-BSD	108-88-3	Toluene	BSD	REC	108	%	70-130
MSM3004-BSD	108-88-3	Toluene	BSD	RPD	1	%	20
MSM3004-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	100	%	70-130
MSM3004-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	2	%	20

* Sample used for QC is not from job MC49976

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3004-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	100	%	70-130
MSM3004-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	1	%	20
MSM3004-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	108	%	70-130
MSM3004-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	5	%	20
MSM3004-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	110	%	70-130
MSM3004-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	1	%	20
MSM3004-BSD	79-01-6	Trichloroethene	BSD	REC	103	%	70-130
MSM3004-BSD	79-01-6	Trichloroethene	BSD	RPD	0	%	20
MSM3004-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	105	%	70-130
MSM3004-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	7	%	20
MSM3004-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	107	%	70-130
MSM3004-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	4	%	20
MSM3004-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	113	%	70-130
MSM3004-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	2	%	20
MSM3004-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	113	%	70-130
MSM3004-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	3	%	20
MSM3004-BSD	75-01-4	Vinyl chloride	BSD	REC	105	%	70-130
MSM3004-BSD	75-01-4	Vinyl chloride	BSD	RPD	8	%	20
MSM3004-BSD		m,p-Xylene	BSD	REC	104	%	70-130
MSM3004-BSD		m,p-Xylene	BSD	RPD	4	%	20
MSM3004-BSD	95-47-6	o-Xylene	BSD	REC	106	%	70-130
MSM3004-BSD	95-47-6	o-Xylene	BSD	RPD	1	%	20
MSM3004-BSD	1330-20-7	Xylene (total)	BSD	REC	105	%	70-130
MSM3004-BSD	1330-20-7	Xylene (total)	BSD	RPD	3	%	20
MSM3004-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	107	%	70-130
MSM3004-BSD	2037-26-5	Toluene-D8	BSD	SURR	104	%	70-130
MSM3004-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	103	%	70-130
MSM3004-MB	1868-53-7	Dibromofluoromethane	MB	SURR	136	%	70-130
MSM3004-MB	2037-26-5	Toluene-D8	MB	SURR	107	%	70-130
MSM3004-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	102	%	70-130
MC49976-64	1868-53-7	Dibromofluoromethane	SAMP	SURR	167 c	%	70-130
MC49976-64	1868-53-7	Dibromofluoromethane	SAMP	SURR	171 c	%	70-130
MC49976-64	2037-26-5	Toluene-D8	SAMP	SURR	113	%	70-130
MC49976-64	2037-26-5	Toluene-D8	SAMP	SURR	113	%	70-130
MC49976-64	460-00-4	4-Bromofluorobenzene	SAMP	SURR	168 c	%	70-130
MC49976-64	460-00-4	4-Bromofluorobenzene	SAMP	SURR	168 c	%	70-130
MC49976-68	1868-53-7	Dibromofluoromethane	SAMP	SURR	156 c	%	70-130
MC49976-68	1868-53-7	Dibromofluoromethane	SAMP	SURR	165 c	%	70-130
MC49976-68	2037-26-5	Toluene-D8	SAMP	SURR	112	%	70-130
MC49976-68	2037-26-5	Toluene-D8	SAMP	SURR	109	%	70-130
MC49976-68	460-00-4	4-Bromofluorobenzene	SAMP	SURR	116	%	70-130
MC49976-68	460-00-4	4-Bromofluorobenzene	SAMP	SURR	128	%	70-130
MC49976-76	1868-53-7	Dibromofluoromethane	SAMP	SURR	157 c	%	70-130
MC49976-76	1868-53-7	Dibromofluoromethane	SAMP	SURR	156 c	%	70-130
MC49976-76	2037-26-5	Toluene-D8	SAMP	SURR	111	%	70-130

* Sample used for QC is not from job MC49976

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-76	2037-26-5	Toluene-D8	SAMP	SURR	112	%	70-130
MC49976-76	460-00-4	4-Bromofluorobenzene	SAMP	SURR	103	%	70-130
MC49976 76	460 00 4	4 Bromofluorobenzene	SAMP	SURR	103	%	70 130
MSM3005	SW846 8260C						
MSM3005-BS	67-64-1	Acetone	BSP	REC	143	%	70-130
MSM3005-BS	71-43-2	Benzene	BSP	REC	112	%	70-130
MSM3005-BS	108-86-1	Bromobenzene	BSP	REC	103	%	70-130
MSM3005-BS	74-97-5	Bromochloromethane	BSP	REC	109	%	70-130
MSM3005-BS	75-27-4	Bromodichloromethane	BSP	REC	115	%	70-130
MSM3005-BS	75-25-2	Bromoform	BSP	REC	98	%	70-130
MSM3005-BS	74-83-9	Bromomethane	BSP	REC	105	%	70-130
MSM3005-BS	78-93-3	2-Butanone (MEK)	BSP	REC	148	%	70-130
MSM3005-BS	104-51-8	n-Butylbenzene	BSP	REC	124	%	70-130
MSM3005-BS	135-98-8	sec-Butylbenzene	BSP	REC	116	%	70-130
MSM3005-BS	98-06-6	tert-Butylbenzene	BSP	REC	114	%	70-130
MSM3005-BS	75-15-0	Carbon disulfide	BSP	REC	96	%	70-130
MSM3005-BS	56-23-5	Carbon tetrachloride	BSP	REC	109	%	70-130
MSM3005-BS	108-90-7	Chlorobenzene	BSP	REC	97	%	70-130
MSM3005-BS	75-00-3	Chloroethane	BSP	REC	107	%	70-130
MSM3005-BS	67-66-3	Chloroform	BSP	REC	119	%	70-130
MSM3005-BS	74-87-3	Chloromethane	BSP	REC	92	%	70-130
MSM3005-BS	95-49-8	o-Chlorotoluene	BSP	REC	117	%	70-130
MSM3005-BS	106-43-4	p-Chlorotoluene	BSP	REC	115	%	70-130
MSM3005-BS	108-20-3	Di-Isopropyl ether	BSP	REC	119	%	70-130
MSM3005-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	103	%	70-130
MSM3005-BS	124-48-1	Dibromochloromethane	BSP	REC	93	%	70-130
MSM3005-BS	106-93-4	1,2-Dibromoethane	BSP	REC	93	%	70-130
MSM3005-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	105	%	70-130
MSM3005-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	107	%	70-130
MSM3005-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	104	%	70-130
MSM3005-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	66	%	70-130
MSM3005-BS	75-34-3	1,1-Dichloroethane	BSP	REC	119	%	70-130
MSM3005-BS	107-06-2	1,2-Dichloroethane	BSP	REC	115	%	70-130
MSM3005-BS	75-35-4	1,1-Dichloroethene	BSP	REC	108	%	70-130
MSM3005-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	115	%	70-130
MSM3005-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	114	%	70-130
MSM3005 BS	78 87 5	1,2 Dichloropropane	BSP	REC	114	%	70 130
MSM3005-BS	142-28-9	1,3-Dichloropropane	BSP	REC	103	%	70-130
MSM3005-BS	594-20-7	2,2-Dichloropropane	BSP	REC	120	%	70-130
MSM3005-BS	563-58-6	1,1-Dichloropropene	BSP	REC	117	%	70-130
MSM3005-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	116	%	70-130
MSM3005-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	121	%	70-130
MSM3005-BS	123-91-1	1,4-Dioxane	BSP	REC	107	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd
Project: Maggiore Somerville 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005-BS	60-29-7	Ethyl Ether	BSP	REC	115	%	70-130
MSM3005-BS	100-41-4	Ethylbenzene	BSP	REC	107	%	70-130
MSM3005-BS	87-68-3	Hexachlorobutadiene	BSP	REC	111	%	70-130
MSM3005-BS	591-78-6	2-Hexanone	BSP	REC	105	%	70-130
MSM3005-BS	98-82-8	Isopropylbenzene	BSP	REC	114	%	70-130
MSM3005-BS	99-87-6	p-Isopropyltoluene	BSP	REC	116	%	70-130
MSM3005-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	116	%	70-130
MSM3005-BS	108-10-1	4-Methyl-2-pentanone (MIBK)	BSP	REC	111	%	70-130
MSM3005-BS	74-95-3	Methylene bromide	BSP	REC	110	%	70-130
MSM3005-BS	75-09-2	Methylene chloride	BSP	REC	112	%	70-130
MSM3005-BS	91-20-3	Naphthalene	BSP	REC	105	%	70-130
MSM3005-BS	103-65-1	n-Propylbenzene	BSP	REC	118	%	70-130
MSM3005-BS	100-42-5	Styrene	BSP	REC	112	%	70-130
MSM3005-BS	994-05-8	tert-Amyl Methyl Ether	BSP	REC	117	%	70-130
MSM3005-BS	637-92-3	tert-Butyl Ethyl Ether	BSP	REC	117	%	70-130
MSM3005-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	97	%	70-130
MSM3005-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	105	%	70-130
MSM3005-BS	127-18-4	Tetrachloroethene	BSP	REC	95	%	70-130
MSM3005-BS	109-99-9	Tetrahydrofuran	BSP	REC	111	%	70-130
MSM3005-BS	108-88-3	Toluene	BSP	REC	113	%	70-130
MSM3005-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	105	%	70-130
MSM3005-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	105	%	70-130
MSM3005-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	116	%	70-130
MSM3005-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	113	%	70-130
MSM3005-BS	79-01-6	Trichloroethene	BSP	REC	107	%	70-130
MSM3005-BS	75-69-4	Trichlorofluoromethane	BSP	REC	107	%	70-130
MSM3005-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	109	%	70-130
MSM3005-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	119	%	70-130
MSM3005-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	117	%	70-130
MSM3005-BS	75-01-4	Vinyl chloride	BSP	REC	103	%	70-130
MSM3005-BS		m,p Xylene	BSP	REC	107	%	70-130
MSM3005-BS	95-47-6	o Xylene	BSP	REC	110	%	70-130
MSM3005-BS	1330-20-7	Xylene (total)	BSP	REC	108	%	70-130
MSM3005-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	107	%	70-130
MSM3005-BS	2037-26-5	Toluene-D8	BSP	SURR	104	%	70-130
MSM3005-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	100	%	70-130
MSM3005-BSD	67-64-1	Acetone	BSD	REC	149	%	70-130
MSM3005-BSD	67-64-1	Acetone	BSD	RPD	4	%	20
MSM3005-BSD	71-43-2	Benzene	BSD	REC	95	%	70-130
MSM3005-BSD	71-43-2	Benzene	BSD	RPD	16	%	20
MSM3005-BSD	108-86-1	Bromobenzene	BSD	REC	86	%	70-130
MSM3005-BSD	108-86-1	Bromobenzene	BSD	RPD	18	%	20
MSM3005-BSD	74-97-5	Bromochloromethane	BSD	REC	93	%	70-130
MSM3005-BSD	74-97-5	Bromochloromethane	BSD	RPD	16	%	20
MSM3005-BSD	75-27-4	Bromodichloromethane	BSD	REC	97	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005-BSD	75-27-4	Bromodichloromethane	BSD	RPD	17	%	20
MSM3005-BSD	75-25-2	Bromoform	BSD	REC	85	%	70-130
MSM3005-BSD	75-25-2	Bromoform	BSD	RPD	14	%	20
MSM3005-BSD	74-83-9	Bromomethane	BSD	REC	77	%	70-130
MSM3005-BSD	74-83-9	Bromomethane	BSD	RPD	31 [d]	%	20
MSM3005-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	149	%	70-130
MSM3005-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	0	%	20
MSM3005-BSD	104-51-8	n-Butylbenzene	BSD	REC	107	%	70-130
MSM3005-BSD	104-51-8	n-Butylbenzene	BSD	RPD	15	%	20
MSM3005-BSD	135-98-8	sec-Butylbenzene	BSD	REC	99	%	70-130
MSM3005-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	16	%	20
MSM3005-BSD	98-06-6	tert-Butylbenzene	BSD	REC	96	%	70-130
MSM3005-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	75-15-0	Carbon disulfide	BSD	REC	81	%	70-130
MSM3005-BSD	75-15-0	Carbon disulfide	BSD	RPD	18	%	20
MSM3005-BSD	56-23-5	Carbon tetrachloride	BSD	REC	93	%	70-130
MSM3005-BSD	56-23-5	Carbon tetrachloride	BSD	RPD	16	%	20
MSM3005-BSD	108-90-7	Chlorobenzene	BSD	REC	83	%	70-130
MSM3005-BSD	108-90-7	Chlorobenzene	BSD	RPD	15	%	20
MSM3005-BSD	75-00-3	Chloroethane	BSD	REC	90	%	70-130
MSM3005-BSD	75-00-3	Chloroethane	BSD	RPD	18	%	20
MSM3005-BSD	67-66-3	Chloroform	BSD	REC	101	%	70-130
MSM3005-BSD	67-66-3	Chloroform	BSD	RPD	17	%	20
MSM3005-BSD	74-87-3	Chloromethane	BSD	REC	71	%	70-130
MSM3005-BSD	74-87-3	Chloromethane	BSD	RPD	25	%	20
MSM3005-BSD	95-49-8	o-Chlorotoluene	BSD	REC	99	%	70-130
MSM3005-BSD	95-49-8	o-Chlorotoluene	BSD	RPD	17	%	20
MSM3005-BSD	106-43-4	p-Chlorotoluene	BSD	REC	99	%	70-130
MSM3005-BSD	106-43-4	p-Chlorotoluene	BSD	RPD	16	%	20
MSM3005-BSD	108-20-3	Di-Isopropyl ether	BSD	REC	100	%	70-130
MSM3005-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD	17	%	20
MSM3005-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC	91	%	70-130
MSM3005-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD	12	%	20
MSM3005-BSD	124-48-1	Dibromochloromethane	BSD	REC	80	%	70-130
MSM3005-BSD	124-48-1	Dibromochloromethane	BSD	RPD	15	%	20
MSM3005-BSD	106-93-4	1,2-Dibromoethane	BSD	REC	82	%	70-130
MSM3005-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD	12	%	20
MSM3005-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	89	%	70-130
MSM3005-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	16	%	20
MSM3005-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	92	%	70-130
MSM3005-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	15	%	20
MSM3005-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	90	%	70-130
MSM3005-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	14	%	20
MSM3005-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	48	%	70-130
MSM3005-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD	32 [d]	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	100	%	70-130
MSM3005-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	17	%	20
MSM3005-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	97	%	70-130
MSM3005-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	17	%	20
MSM3005-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	92	%	70-130
MSM3005-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	16	%	20
MSM3005-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	98	%	70-130
MSM3005-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	17	%	20
MSM3005-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	97	%	70-130
MSM3005-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	16	%	20
MSM3005-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	96	%	70-130
MSM3005-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	17	%	20
MSM3005-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	89	%	70-130
MSM3005-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	15	%	20
MSM3005-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	103	%	70-130
MSM3005-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	15	%	20
MSM3005-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	100	%	70-130
MSM3005-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	15	%	20
MSM3005-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	99	%	70-130
MSM3005-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	16	%	20
MSM3005-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	101	%	70-130
MSM3005-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	17	%	20
MSM3005-BSD	123-91-1	1,4-Dioxane	BSD	REC	101	%	70-130
MSM3005-BSD	123-91-1	1,4-Dioxane	BSD	RPD	6	%	20
MSM3005-BSD	60-29-7	Ethyl Ether	BSD	REC	99	%	70-130
MSM3005-BSD	60-29-7	Ethyl Ether	BSD	RPD	15	%	20
MSM3005-BSD	100-41-4	Ethylbenzene	BSD	REC	91	%	70-130
MSM3005-BSD	100-41-4	Ethylbenzene	BSD	RPD	16	%	20
MSM3005-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	96	%	70-130
MSM3005-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	15	%	20
MSM3005-BSD	591-78 6	2-Hexanone	BSD	REC	106	%	70-130
MSM3005-BSD	591-78-6	2-Hexanone	BSD	RPD	1	%	20
MSM3005-BSD	98-82-8	Isopropylbenzene	BSD	REC	96	%	70-130
MSM3005-BSD	98-82-8	Isopropylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	99	%	70-130
MSM3005-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	16	%	20
MSM3005-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	99	%	70-130
MSM3005-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	15	%	20
MSM3005-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC	100	%	70-130
MSM3005-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD	11	%	20
MSM3005-BSD	74-95-3	Methylene bromide	BSD	REC	95	%	70-130
MSM3005-BSD	74-95-3	Methylene bromide	BSD	RPD	15	%	20
MSM3005-BSD	75-09-2	Methylene chloride	BSD	REC	97	%	70-130
MSM3005-BSD	75-09-2	Methylene chloride	BSD	RPD	15	%	20
MSM3005-BSD	91-20-3	Naphthalene	BSD	REC	92	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005-BSD	91-20-3	Naphthalene	BSD	RPD	13	%	20
MSM3005-BSD	103-65-1	n-Propylbenzene	BSD	REC	101	%	70-130
MSM3005-BSD	103-65-1	n-Propylbenzene	BSD	RPD	15	%	20
MSM3005-BSD	100-42-5	Styrene	BSD	REC	95	%	70-130
MSM3005-BSD	100-42-5	Styrene	BSD	RPD	16	%	20
MSM3005-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	100	%	70-130
MSM3005-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	15	%	20
MSM3005-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	99	%	70-130
MSM3005-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	17	%	20
MSM3005-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	82	%	70-130
MSM3005-BSD	630-20 6	1,1,1,2-Tetrachloroethane	BSD	RPD	17	%	20
MSM3005-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	91	%	70-130
MSM3005-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	14	%	20
MSM3005-BSD	127-18-4	Tetrachloroethene	BSD	REC	82	%	70-130
MSM3005-BSD	127-18-4	Tetrachloroethene	BSD	RPD	14	%	20
MSM3005-BSD	109-99-9	Tetrahydrofuran	BSD	REC	99	%	70-130
MSM3005-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	11	%	20
MSM3005-BSD	108-88-3	Toluene	BSD	REC	96	%	70-130
MSM3005-BSD	108-88-3	Toluene	BSD	RPD	16	%	20
MSM3005-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	91	%	70-130
MSM3005-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	14	%	20
MSM3005-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	92	%	70-130
MSM3005-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	13	%	20
MSM3005-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	98	%	70-130
MSM3005-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	17	%	20
MSM3005-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	96	%	70-130
MSM3005-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	16	%	20
MSM3005-BSD	79-01-6	Trichloroethene	BSD	REC	92	%	70-130
MSM3005-BSD	79-01-6	Trichloroethene	BSD	RPD	16	%	20
MSM3005-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	90	%	70-130
MSM3005-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	18	%	20
MSM3005-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	93	%	70-130
MSM3005-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	16	%	20
MSM3005-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	100	%	70-130
MSM3005-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	99	%	70-130
MSM3005-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	17	%	20
MSM3005-BSD	75-01-4	Vinyl chloride	BSD	REC	83	%	70-130
MSM3005-BSD	75-01-4	Vinyl chloride	BSD	RPD	21	%	20
MSM3005-BSD		m,p-Xylene	BSD	REC	92	%	70-130
MSM3005-BSD		m,p-Xylene	BSD	RPD	15	%	20
MSM3005-BSD	95-47-6	o-Xylene	BSD	REC	93	%	70-130
MSM3005-BSD	95-47-6	o-Xylene	BSD	RPD	16	%	20
MSM3005-BSD	1330-20-7	Xylene (total)	BSD	REC	93	%	70-130
MSM3005-BSD	1330-20-7	Xylene (total)	BSD	RPD	15	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3005 BSD	1868 53 7	Dibromofluoromethane	BSD	SURR	107	%	70-130
MSM3005 BSD	2037-26 5	Toluene D8	BSD	SURR	104	%	70-130
MSM3005 BSD	460 00 4	4 Bromofluorobenzene	BSD	SURR	102	%	70-130
MSM3005 MB	1868 53 7	Dibromofluoromethane	MB	SURR	138	%	70-130
MSM3005 MB	2037-26 5	Toluene-D8	MB	SURR	108	%	70-130
MSM3005 MB	460 00 4	4-Bromofluorobenzene	MB	SURR	100	%	70-130
MC49976 24	1868 53 7	Dibromofluoromethane	SAMP	SURR	141	%	70-130
MC49976 24	2037-26-5	Toluene D8	SAMP	SURR	108	%	70-130
MC49976 24	460 00 4	4 Bromofluorobenzene	SAMP	SURR	102	%	70-130
MSM3006	SW846 8260C						
MSM3006-BS	67 64 1	Acetone	BSP	REC	133	%	70-130
MSM3006 BS	71-43-2	Benzene	BSP	REC	101	%	70-130
MSM3006 BS	108 86 1	Bromobenzene	BSP	REC	102	%	70-130
MSM3006 BS	74 97-5	Bromochloromethane	BSP	REC	103	%	70-130
MSM3006 BS	75 27-4	Bromodichloromethane	BSP	REC	98	%	70-130
MSM3006 BS	75 25 2	Bromoform	BSP	REC	110	%	70-130
MSM3006 BS	74 83 9	Bromomethane	BSP	REC	98	%	70-130
MSM3006 BS	78 93 3	2 Butanone (MEK)	BSP	REC	139	%	70 130
MSM3006 BS	104 51 8	n Butylbenzene	BSP	REC	110	%	70 130
MSM3006 BS	135 98 8	sec-Butylbenzene	BSP	REC	106	%	70-130
MSM3006 BS	98 06 6	tert-Butylbenzene	BSP	REC	93	%	70-130
MSM3006 BS	75 15 0	Carbon disulfide	BSP	REC	101	%	70-130
MSM3006 BS	56 23 5	Carbon tetrachloride	BSP	REC	100	%	70-130
MSM3006 BS	108 90-7	Chlorobenzene	BSP	REC	105	%	70-130
MSM3006 BS	75 00 3	Chloroethane	BSP	REC	104	%	70-130
MSM3006 BS	67-66 3	Chloroform	BSP	REC	95	%	70-130
MSM3006 BS	74 87-3	Chloromethane	BSP	REC	94	%	70-130
MSM3006 BS	95 49 8	o Chlorotoluene	BSP	REC	102	%	70-130
MSM3006 BS	106 43 4	p Chlorotoluene	BSP	REC	102	%	70-130
MSM3006 BS	108 20 3	Di Isopropyl ether	BSP	REC	100	%	70-130
MSM3006 BS	96 12 8	1,2-Dibromo 3 chloropropane	BSP	REC	99	%	70-130
MSM3006 BS	124 48 1	Dibromochloromethane	BSP	REC	107	%	70 130
MSM3006 BS	106 93 4	1,2-Dibromoethane	BSP	REC	104	%	70-130
MSM3006 BS	95 50 1	1,2-Dichlorobenzene	BSP	REC	102	%	70-130
MSM3006 BS	541 73 1	1,3-Dichlorobenzene	BSP	REC	105	%	70-130
MSM3006 BS	106 46 7	1,4-Dichlorobenzene	BSP	REC	104	%	70-130
MSM3006 BS	75 71 8	Dichlorodifluoromethane	BSP	REC	91	%	70-130
MSM3006 BS	75 34 3	1,1-Dichloroethane	BSP	REC	99	%	70-130
MSM3006 BS	107 06 2	1,2 Dichloroethane	BSP	REC	93	%	70-130
MSM3006 BS	75 35 4	1,1-Dichloroethene	BSP	REC	101	%	70-130
MSM3006 BS	156 59 2	cis-1,2-Dichloroethene	BSP	REC	100	%	70-130
MSM3006 BS	156 60 5	trans-1,2-Dichloroethene	BSP	REC	100	%	70-130
MSM3006 BS	78 87 5	1,2-Dichloropropane	BSP	REC	100	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3006-BS	142-28 9	1,3 Dichloropropane	BSP	REC	100	%	70 130
MSM3006-BS	594-20 7	2,2 Dichloropropane	BSP	REC	101	%	70 130
MSM3006-BS	563-58-6	1,1 Dichloropropene	BSP	REC	102	%	70 130
MSM3006-BS	10061-01-5	cis 1,3 Dichloropropene	BSP	REC	102	%	70-130
MSM3006-BS	10061-02-6	trans 1,3 Dichloropropene	BSP	REC	105	%	70 130
MSM3006-BS	123-91-1	1,4 Dioxane	BSP	REC	129	%	70-130
MSM3006-BS	60-29-7	Ethyl Ether	BSP	REC	100	%	70-130
MSM3006-BS	100-41-4	Ethylbenzene	BSP	REC	103	%	70 130
MSM3006-BS	87 68 3	Hexachlorobutadiene	BSP	REC	107	%	70-130
MSM3006-BS	591 78 6	2-Hexanone	BSP	REC	116	%	70-130
MSM3006-BS	98-82-8	Isopropylbenzene	BSP	REC	105	%	70-130
MSM3006-BS	99 87 6	p-Isopropyltoluene	BSP	REC	109	%	70 130
MSM3006-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	97	%	70 130
MSM3006-BS	108-10-1	4 Methyl 2 pentanone (MIBK)	BSP	REC	106	%	70 130
MSM3006-BS	74-95-3	Methylene bromide	BSP	REC	99	%	70 130
MSM3006-BS	75 09 2	Methylene chloride	BSP	REC	98	%	70-130
MSM3006-BS	91 20 3	Naphthalene	BSP	REC	107	%	70 130
MSM3006-BS	103-65-1	n-Propylbenzene	BSP	REC	106	%	70-130
MSM3006-BS	100-42-5	Styrene	BSP	REC	107	%	70-130
MSM3006-BS	994-05-8	tert Amyl Methyl Ether	BSP	REC	99	%	70 130
MSM3006-BS	637 92 3	tert-Butyl Ethyl Ether	BSP	REC	98	%	70-130
MSM3006-BS	630-20-6	1,1,1,2 Tetrachloroethane	BSP	REC	105	%	70-130
MSM3006 BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	104	%	70 130
MSM3006 BS	127 18 4	Tetrachloroethene	BSP	REC	105	%	70-130
MSM3006-BS	109-99-9	Tetrahydrofuran	BSP	REC	105	%	70-130
MSM3006-BS	108 88 3	Toluene	BSP	REC	100	%	70 130
MSM3006-BS	87-61-6	1,2,3 Trichlorobenzene	BSP	REC	106	%	70-130
MSM3006-BS	120 82 1	1,2,4-Trichlorobenzene	BSP	REC	111	%	70-130
MSM3006-BS	71-55-6	1,1,1 Trichloroethane	BSP	REC	96	%	70-130
MSM3006-BS	79-00-5	1,1,2 Trichloroethane	BSP	REC	95	%	70-130
MSM3006 BS	79 01 6	Trichloroethene	BSP	REC	99	%	70-130
MSM3006-BS	75 69 4	Trichlorofluoromethane	BSP	REC	96	%	70-130
MSM3006-BS	96 18 4	1,2,3-Trichloropropane	BSP	REC	98	%	70-130
MSM3006-BS	95 63 6	1,2,4-Trimethylbenzene	BSP	REC	106	%	70-130
MSM3006-BS	108 67-8	1,3,5-Trimethylbenzene	BSP	REC	104	%	70 130
MSM3006-BS	75 01 4	Vinyl chloride	BSP	REC	96	%	70 130
MSM3006-BS		m,p Xylene	BSP	REC	107	%	70 130
MSM3006-BS	95-47-6	o-Xylene	BSP	REC	105	%	70-130
MSM3006-BS	1330-20-7	Xylene (total)	BSP	REC	106	%	70 130
MSM3006-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	97	%	70-130
MSM3006-BS	2037 26 5	Toluene-D8	BSP	SURR	100	%	70-130
MSM3006-BS	460 00 4	4 Bromofluorobenzene	BSP	SURR	99	%	70-130
MSM3006 BSD	67-64-1	Acetone	BSD	REC	120	%	70 130
MSM3006-BSD	67 64 1	Acetone	BSD	RPD	10	%	20
MSM3006 BSD	71-43-2	Benzene	BSD	REC	101	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3006-BSD	71-43-2	Benzene	BSD	RPD	0	%	20
MSM3006-BSD	108-86-1	Bromobenzene	BSD	REC	100	%	70-130
MSM3006-BSD	108-86-1	Bromobenzene	BSD	RPD	2	%	20
MSM3006-BSD	74-97-5	Bromochloromethane	BSD	REC	104	%	70-130
MSM3006-BSD	74-97-5	Bromochloromethane	BSD	RPD	1	%	20
MSM3006-BSD	75-27-4	Bromodichloromethane	BSD	REC	97	%	70-130
MSM3006-BSD	75-27-4	Bromodichloromethane	BSD	RPD	1	%	20
MSM3006-BSD	75-25-2	Bromoform	BSD	REC	104	%	70-130
MSM3006-BSD	75-25-2	Bromoform	BSD	RPD	5	%	20
MSM3006-BSD	74-83-9	Bromomethane	BSD	REC	102	%	70-130
MSM3006-BSD	74-83-9	Bromomethane	BSD	RPD	4	%	20
MSM3006-BSD	78-93-3	2-Butanone (MEK)	BSD	REC	132	%	70-130
MSM3006-BSD	78-93-3	2-Butanone (MEK)	BSD	RPD	5	%	20
MSM3006-BSD	104-51-8	n-Butylbenzene	BSD	REC	106	%	70-130
MSM3006-BSD	104-51-8	n-Butylbenzene	BSD	RPD	4	%	20
MSM3006-BSD	135-98-8	sec-Butylbenzene	BSD	REC	105	%	70-130
MSM3006-BSD	135-98-8	sec-Butylbenzene	BSD	RPD	1	%	20
MSM3006-BSD	98-06-6	tert-Butylbenzene	BSD	REC	107	%	70-130
MSM3006-BSD	98-06-6	tert-Butylbenzene	BSD	RPD	14	%	20
MSM3006-BSD	75-15-0	Carbon disulfide	BSD	REC	104	%	70-130
MSM3006-BSD	75-15-0	Carbon disulfide	BSD	RPD	3	%	20
MSM3006-BSD	56-23-5	Carbon tetrachloride	BSD	REC	99	%	70-130
MSM3006-BSD	56-23-5	Carbon tetrachloride	BSD	RPD	0	%	20
MSM3006-BSD	108-90-7	Chlorobenzene	BSD	REC	103	%	70-130
MSM3006-BSD	108-90-7	Chlorobenzene	BSD	RPD	2	%	20
MSM3006-BSD	75-00-3	Chloroethane	BSD	REC	109	%	70-130
MSM3006-BSD	75-00-3	Chloroethane	BSD	RPD	5	%	20
MSM3006-BSD	67-66-3	Chloroform	BSD	REC	95	%	70-130
MSM3006-BSD	67-66-3	Chloroform	BSD	RPD	0	%	20
MSM3006-BSD	74-87-3	Chloromethane	BSD	REC	99	%	70-130
MSM3006-BSD	74-87-3	Chloromethane	BSD	RPD	5	%	20
MSM3006-BSD	95-49-8	o-Chlorotoluene	BSD	REC	101	%	70-130
MSM3006-BSD	95-49-8	o-Chlorotoluene	BSD	RPD	2	%	20
MSM3006-BSD	106-43-4	p-Chlorotoluene	BSD	REC	101	%	70-130
MSM3006-BSD	106-43-4	p-Chlorotoluene	BSD	RPD	1	%	20
MSM3006-BSD	108-20-3	Di-Isopropyl ether	BSD	REC	102	%	70-130
MSM3006-BSD	108-20-3	Di-Isopropyl ether	BSD	RPD	2	%	20
MSM3006-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	REC	95	%	70-130
MSM3006-BSD	96-12-8	1,2-Dibromo-3-chloropropane	BSD	RPD	4	%	20
MSM3006-BSD	124-48-1	Dibromochloromethane	BSD	REC	105	%	70-130
MSM3006-BSD	124-48-1	Dibromochloromethane	BSD	RPD	2	%	20
MSM3006-BSD	106-93-4	1,2-Dibromoethane	BSD	REC	101	%	70-130
MSM3006-BSD	106-93-4	1,2-Dibromoethane	BSD	RPD	3	%	20
MSM3006-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	101	%	70-130
MSM3006-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	1	%	20

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3006-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	102	%	70-130
MSM3006-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	3	%	20
MSM3006-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	101	%	70-130
MSM3006-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	3	%	20
MSM3006-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	95	%	70-130
MSM3006-BSD	75-71-8	Dichlorodifluoromethane	BSD	RPD	5	%	20
MSM3006-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	100	%	70-130
MSM3006-BSD	75-34-3	1,1-Dichloroethane	BSD	RPD	2	%	20
MSM3006-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	91	%	70-130
MSM3006-BSD	107-06-2	1,2-Dichloroethane	BSD	RPD	2	%	20
MSM3006-BSD	75-35-4	1,1-Dichloroethene	BSD	REC	103	%	70-130
MSM3006-BSD	75-35-4	1,1-Dichloroethene	BSD	RPD	2	%	20
MSM3006-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	REC	101	%	70-130
MSM3006-BSD	156-59-2	cis-1,2-Dichloroethene	BSD	RPD	1	%	20
MSM3006-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	REC	102	%	70-130
MSM3006-BSD	156-60-5	trans-1,2-Dichloroethene	BSD	RPD	2	%	20
MSM3006-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	101	%	70-130
MSM3006-BSD	78-87-5	1,2-Dichloropropane	BSD	RPD	1	%	20
MSM3006-BSD	142-28-9	1,3-Dichloropropane	BSD	REC	98	%	70-130
MSM3006-BSD	142-28-9	1,3-Dichloropropane	BSD	RPD	2	%	20
MSM3006-BSD	594-20-7	2,2-Dichloropropane	BSD	REC	103	%	70-130
MSM3006-BSD	594-20-7	2,2-Dichloropropane	BSD	RPD	2	%	20
MSM3006-BSD	563-58-6	1,1-Dichloropropene	BSD	REC	101	%	70-130
MSM3006-BSD	563-58-6	1,1-Dichloropropene	BSD	RPD	1	%	20
MSM3006-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	101	%	70-130
MSM3006-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	RPD	1	%	20
MSM3006-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	101	%	70-130
MSM3006-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	RPD	4	%	20
MSM3006-BSD	123-91-1	1,4-Dioxane	BSD	REC	118	%	70-130
MSM3006-BSD	123-91-1	1,4-Dioxane	BSD	RPD	9	%	20
MSM3006-BSD	60-29-7	Ethyl Ether	BSD	REC	100	%	70-130
MSM3006-BSD	60-29-7	Ethyl Ether	BSD	RPD	0	%	20
MSM3006-BSD	100-41-4	Ethylbenzene	BSD	REC	102	%	70-130
MSM3006-BSD	100-41-4	Ethylbenzene	BSD	RPD	1	%	20
MSM3006-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	106	%	70-130
MSM3006-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	1	%	20
MSM3006-BSD	591-78-6	2-Hexanone	BSD	REC	100	%	70-130
MSM3006-BSD	591-78-6	2-Hexanone	BSD	RPD	15	%	20
MSM3006-BSD	98-82-8	Isopropylbenzene	BSD	REC	104	%	70-130
MSM3006-BSD	98-82-8	Isopropylbenzene	BSD	RPD	1	%	20
MSM3006-BSD	99-87-6	p-Isopropyltoluene	BSD	REC	106	%	70-130
MSM3006-BSD	99-87-6	p-Isopropyltoluene	BSD	RPD	2	%	20
MSM3006-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	97	%	70-130
MSM3006-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	RPD	1	%	20
MSM3006-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	REC	96	%	70-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac Ltd
Project: Maggiore Somerville, 343 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3006-BSD	108-10-1	4-Methyl-2-pentanone (MIBK)	BSD	RPD	10	%	20
MSM3006-BSD	74-95-3	Methylene bromide	BSD	REC	97	%	70-130
MSM3006-BSD	74-95-3	Methylene bromide	BSD	RPD	2	%	20
MSM3006-BSD	75-09-2	Methylene chloride	BSD	REC	101	%	70-130
MSM3006-BSD	75-09-2	Methylene chloride	BSD	RPD	3	%	20
MSM3006-BSD	91-20-3	Naphthalene	BSD	REC	103	%	70-130
MSM3006-BSD	91-20-3	Naphthalene	BSD	RPD	3	%	20
MSM3006-BSD	103-65-1	n-Propylbenzene	BSD	REC	103	%	70-130
MSM3006-BSD	103-65-1	n-Propylbenzene	BSD	RPD	3	%	20
MSM3006-BSD	100-42-5	Styrene	BSD	REC	105	%	70-130
MSM3006-BSD	100-42-5	Styrene	BSD	RPD	2	%	20
MSM3006-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	REC	97	%	70-130
MSM3006-BSD	994-05-8	tert-Amyl Methyl Ether	BSD	RPD	2	%	20
MSM3006-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	REC	99	%	70-130
MSM3006-BSD	637-92-3	tert-Butyl Ethyl Ether	BSD	RPD	1	%	20
MSM3006-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	REC	105	%	70-130
MSM3006-BSD	630-20-6	1,1,1,2-Tetrachloroethane	BSD	RPD	0	%	20
MSM3006-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	99	%	70-130
MSM3006-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	RPD	5	%	20
MSM3006-BSD	127-18-4	Tetrachloroethene	BSD	REC	103	%	70-130
MSM3006-BSD	127-18-4	Tetrachloroethene	BSD	RPD	2	%	20
MSM3006-BSD	109-99-9	Tetrahydrofuran	BSD	REC	96	%	70-130
MSM3006-BSD	109-99-9	Tetrahydrofuran	BSD	RPD	9	%	20
MSM3006-BSD	108-88-3	Toluene	BSD	REC	100	%	70-130
MSM3006-BSD	108-88-3	Toluene	BSD	RPD	0	%	20
MSM3006-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	REC	105	%	70-130
MSM3006-BSD	87-61-6	1,2,3-Trichlorobenzene	BSD	RPD	1	%	20
MSM3006-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	109	%	70-130
MSM3006-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	2	%	20
MSM3006-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	98	%	70-130
MSM3006-BSD	71-55-6	1,1,1-Trichloroethane	BSD	RPD	2	%	20
MSM3006-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	95	%	70-130
MSM3006-BSD	79-00-5	1,1,2-Trichloroethane	BSD	RPD	0	%	20
MSM3006-BSD	79-01-6	Trichloroethene	BSD	REC	98	%	70-130
MSM3006-BSD	79-01-6	Trichloroethene	BSD	RPD	2	%	20
MSM3006-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	97	%	70-130
MSM3006-BSD	75-69-4	Trichlorofluoromethane	BSD	RPD	1	%	20
MSM3006-BSD	96-18-4	1,2,3-Trichloropropane	BSD	REC	93	%	70-130
MSM3006-BSD	96-18-4	1,2,3-Trichloropropane	BSD	RPD	5	%	20
MSM3006-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	104	%	70-130
MSM3006-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	RPD	2	%	20
MSM3006-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	103	%	70-130
MSM3006-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	RPD	1	%	20
MSM3006-BSD	75-01-4	Vinyl chloride	BSD	REC	101	%	70-130
MSM3006-BSD	75-01-4	Vinyl chloride	BSD	RPD	5	%	20

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected 03-28-17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MSM3006-BSD		m,p-Xylene	BSD	REC	104	%	70-130
MSM3006-BSD		m,p-Xylene	BSD	RPD	3	%	20
MSM3006-BSD	95-47-6	o-Xylene	BSD	REC	105	%	70-130
MSM3006-BSD	95-47-6	o-Xylene	BSD	RPD	1	%	20
MSM3006-BSD	1330-20-7	Xylene (total)	BSD	REC	104	%	70-130
MSM3006-BSD	1330-20-7	Xylene (total)	BSD	RPD	2	%	20
MSM3006-BSD	1868-53-7	Dibromofluoromethane	BSD	SURR	98	%	70-130
MSM3006-BSD	2037-26-5	Toluene-D8	BSD	SURR	101	%	70-130
MSM3006-BSD	460-00-4	4-Bromofluorobenzene	BSD	SURR	99	%	70-130
MSM3006-MB	1868-53-7	Dibromofluoromethane	MB	SURR	100	%	70-130
MSM3006-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	70-130
MSM3006-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	100	%	70-130
MC49976-52	1868-53-7	Dibromofluoromethane	SAMP	SURR	97	%	70-130
MC49976-52	2037-26-5	Toluene-D8	SAMP	SURR	99	%	70-130
MC49976-52	460-00-4	4-Bromofluorobenzene	SAMP	SURR	127	%	70-130
OP49564	SW846 8270D						
OP49564-BS	65-85-0	Benzoic acid	BSP	REC	47	%	30-130
OP49564-BS	95-57-8	2-Chlorophenol	BSP	REC	82	%	30-130
OP49564-BS	59-50-7	4-Chloro-3-methyl phenol	BSP	REC	88	%	30-130
OP49564-BS	120-83-2	2,4-Dichlorophenol	BSP	REC	88	%	30-130
OP49564-BS	105-67-9	2,4-Dimethylphenol	BSP	REC	81	%	30-130
OP49564-BS	51-28-5	2,4-Dinitrophenol	BSP	REC	54	%	30-130
OP49564-BS	95-48-7	2-Methylphenol	BSP	REC	84	%	30-130
OP49564-BS		3&4-Methylphenol	BSP	REC	82	%	30-130
OP49564-BS	88-75-5	2-Nitrophenol	BSP	REC	86	%	30-130
OP49564-BS	100-02-7	4-Nitrophenol	BSP	REC	85	%	30-130
OP49564-BS	87-86-5	Pentachlorophenol	BSP	REC	84	%	30-130
OP49564-BS	108-95-2	Phenol	BSP	REC	82	%	30-130
OP49564-BS	95-95-4	2,4,5-Trichlorophenol	BSP	REC	95	%	30-130
OP49564-BS	88-06-2	2,4,6-Trichlorophenol	BSP	REC	98	%	30-130
OP49564-BS	83-32-9	Acenaphthene	BSP	REC	93	%	40-140
OP49564-BS	208-96-8	Acenaphthylene	BSP	REC	91	%	40-140
OP49564-BS	98-86-2	Acetophenone	BSP	REC	78	%	40-140
OP49564-BS	62-53-3	Aniline	BSP	REC	57	%	40-140
OP49564-BS	120-12-7	Anthracene	BSP	REC	95	%	40-140
OP49564-BS	56-55-3	Benzo(a)anthracene	BSP	REC	99	%	40-140
OP49564-BS	50-32-8	Benzo(a)pyrene	BSP	REC	105	%	40-140
OP49564-BS	205-99-2	Benzo(b)fluoranthene	BSP	REC	103	%	40-140
OP49564-BS	191-24-2	Benzo(g,h,i)perylene	BSP	REC	104	%	40-140
OP49564-BS	207-08-9	Benzo(k)fluoranthene	BSP	REC	102	%	40-140
OP49564-BS	101-55-3	4-Bromophenyl phenyl ether	BSP	REC	99	%	40-140
OP49564-BS	85-68-7	Butyl benzyl phthalate	BSP	REC	111	%	40-140
OP49564-BS	91-58-7	2-Chloronaphthalene	BSP	REC	94	%	40-140

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49564-BS	106-47-8	4-Chloroaniline	BSP	REC	47	%	40-140
OP49564-BS	218-01-9	Chrysene	BSP	REC	94	%	40-140
OP49564-BS	111-91-1	bis(2-Chloroethoxy)methane	BSP	REC	87	%	40-140
OP49564-BS	111-44-4	bis(2-Chloroethyl)ether	BSP	REC	79	%	40-140
OP49564-BS	108-60-1	bis(2-Chloroisopropyl)ether	BSP	REC	91	%	40-140
OP49564-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	78	%	40-140
OP49564-BS	122-66-7	1,2-Diphenylhydrazine	BSP	REC	97	%	40-140
OP49564-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	76	%	40-140
OP49564-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	75	%	40-140
OP49564-BS	121-14-2	2,4-Dinitrotoluene	BSP	REC	105	%	40-140
OP49564-BS	606-20-2	2,6-Dinitrotoluene	BSP	REC	103	%	40-140
OP49564-BS	91-94-1	3,3'-Dichlorobenzidine	BSP	REC	75	%	40-140
OP49564-BS	53-70-3	Dibenzo(a,h)anthracene	BSP	REC	103	%	40-140
OP49564-BS	132-64-9	Dibenzofuran	BSP	REC	89	%	40-140
OP49564-BS	84-74-2	Di-n-butyl phthalate	BSP	REC	96	%	40-140
OP49564-BS	117-84-0	Di-n-octyl phthalate	BSP	REC	106	%	40-140
OP49564-BS	84-66-2	Diethyl phthalate	BSP	REC	98	%	40-140
OP49564-BS	131-11-3	Dimethyl phthalate	BSP	REC	99	%	40-140
OP49564-BS	117-81-7	bis(2-Ethylhexyl)phthalate	BSP	REC	113	%	40-140
OP49564-BS	206-44-0	Fluoranthene	BSP	REC	100	%	40-140
OP49564-BS	86-73-7	Fluorene	BSP	REC	99	%	40-140
OP49564-BS	118-74-1	Hexachlorobenzene	BSP	REC	97	%	40-140
OP49564-BS	87-68-3	Hexachlorobutadiene	BSP	REC	86	%	40-140
OP49564-BS	77-47-4	Hexachlorocyclopentadiene	BSP	REC	76	%	40-140
OP49564-BS	67-72-1	Hexachloroethane	BSP	REC	74	%	40-140
OP49564-BS	193-39-5	Indeno(1,2,3-cd)pyrene	BSP	REC	102	%	40-140
OP49564-BS	78-59-1	Isophorone	BSP	REC	90	%	40-140
OP49564-BS	91-57-6	2-Methylnaphthalene	BSP	REC	86	%	40-140
OP49564-BS	91-20-3	Naphthalene	BSP	REC	87	%	40-140
OP49564-BS	98-95-3	Nitrobenzene	BSP	REC	86	%	40-140
OP49564-BS	621-64-7	N-Nitroso-di-n-propylamine	BSP	REC	94	%	40-140
OP49564-BS	86-30-6	N-Nitrosodiphenylamine	BSP	REC	96	%	40-140
OP49564-BS	85-01-8	Phenanthrene	BSP	REC	97	%	40-140
OP49564-BS	129-00-0	Pyrene	BSP	REC	106	%	40-140
OP49564-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	86	%	40-140
OP49564-BS	367-12-4	2-Fluorophenol	BSP	SURR	78	%	30-130
OP49564-BS	4165-62-2	Phenol-d5	BSP	SURR	84	%	30-130
OP49564-BS	118-79-6	2,4,6-Tribromophenol	BSP	SURR	91	%	30-130
OP49564-BS	4165-60-0	Nitrobenzene-d5	BSP	SURR	76	%	30-130
OP49564-BS	321-60-8	2-Fluorobiphenyl	BSP	SURR	83	%	30-130
OP49564-BS	1718-51-0	Terphenyl-d14	BSP	SURR	93	%	30-130
OP49564-BSD	65-85-0	Benzoic acid	BSD	REC	48	%	30-130
OP49564-BSD	65-85-0	Benzoic acid	BSD	RPD	3	%	30
OP49564-BSD	95-57-8	2-Chlorophenol	BSD	REC	80	%	30-130
OP49564-BSD	95-57-8	2-Chlorophenol	BSD	RPD	3	%	30

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49564-BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	REC	88	%	30-130
OP49564-BSD	59-50-7	4-Chloro-3-methyl phenol	BSD	RPD	0	%	30
OP49564-BSD	120-83-2	2,4-Dichlorophenol	BSD	REC	90	%	30-130
OP49564-BSD	120-83-2	2,4-Dichlorophenol	BSD	RPD	2	%	30
OP49564-BSD	105-67-9	2,4-Dimethylphenol	BSD	REC	81	%	30-130
OP49564-BSD	105-67-9	2,4-Dimethylphenol	BSD	RPD	0	%	30
OP49564-BSD	51-28-5	2,4-Dinitrophenol	BSD	REC	57	%	30-130
OP49564-BSD	51-28-5	2,4-Dinitrophenol	BSD	RPD	6	%	30
OP49564-BSD	95-48-7	2-Methylphenol	BSD	REC	82	%	30-130
OP49564-BSD	95-48-7	2-Methylphenol	BSD	RPD	1	%	30
OP49564-BSD		3&4-Methylphenol	BSD	REC	83	%	30-130
OP49564-BSD		3&4-Methylphenol	BSD	RPD	0	%	30
OP49564-BSD	88-75-5	2-Nitrophenol	BSD	REC	86	%	30-130
OP49564-BSD	88-75-5	2-Nitrophenol	BSD	RPD	0	%	30
OP49564-BSD	100-02-7	4-Nitrophenol	BSD	REC	86	%	30-130
OP49564-BSD	100-02-7	4-Nitrophenol	BSD	RPD	2	%	30
OP49564-BSD	87-86-5	Pentachlorophenol	BSD	REC	88	%	30-130
OP49564-BSD	87-86-5	Pentachlorophenol	BSD	RPD	4	%	30
OP49564-BSD	108-95-2	Phenol	BSD	REC	81	%	30-130
OP49564-BSD	108-95-2	Phenol	BSD	RPD	1	%	30
OP49564-BSD	95-95-4	2,4,5-Trichlorophenol	BSD	REC	95	%	30-130
OP49564-BSD	95-95-4	2,4,5-Trichlorophenol	BSD	RPD	0	%	30
OP49564-BSD	88-06-2	2,4,6-Trichlorophenol	BSD	REC	96	%	30-130
OP49564-BSD	88-06-2	2,4,6-Trichlorophenol	BSD	RPD	2	%	30
OP49564-BSD	83-32-9	Acenaphthene	BSD	REC	90	%	40-140
OP49564-BSD	83-32-9	Acenaphthene	BSD	RPD	4	%	30
OP49564-BSD	208-96-8	Acenaphthylene	BSD	REC	88	%	40-140
OP49564-BSD	208-96-8	Acenaphthylene	BSD	RPD	3	%	30
OP49564-BSD	98-86-2	Acetophenone	BSD	REC	75	%	40-140
OP49564-BSD	98-86-2	Acetophenone	BSD	RPD	4	%	30
OP49564-BSD	62-53-3	Aniline	BSD	REC	51	%	40-140
OP49564-BSD	62-53-3	Aniline	BSD	RPD	12	%	30
OP49564-BSD	120-12-7	Anthracene	BSD	REC	95	%	40-140
OP49564-BSD	120-12-7	Anthracene	BSD	RPD	0	%	30
OP49564-BSD	56-55-3	Benzo(a)anthracene	BSD	REC	98	%	40-140
OP49564-BSD	56-55-3	Benzo(a)anthracene	BSD	RPD	1	%	30
OP49564-BSD	50-32-8	Benzo(a)pyrene	BSD	REC	104	%	40-140
OP49564-BSD	50-32-8	Benzo(a)pyrene	BSD	RPD	1	%	30
OP49564-BSD	205-99-2	Benzo(b)fluoranthene	BSD	REC	102	%	40-140
OP49564-BSD	205-99-2	Benzo(b)fluoranthene	BSD	RPD	1	%	30
OP49564-BSD	191-24-2	Benzo(g,h,i)perylene	BSD	REC	99	%	40-140
OP49564-BSD	191-24-2	Benzo(g,h,i)perylene	BSD	RPD	4	%	30
OP49564-BSD	207-08-9	Benzo(k)fluoranthene	BSD	REC	98	%	40-140
OP49564-BSD	207-08-9	Benzo(k)fluoranthene	BSD	RPD	4	%	30
OP49564-BSD	101-55-3	4-Bromophenyl phenyl ether	BSD	REC	99	%	40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49564-BSD	101-55-3	4-Bromophenyl-phenyl ether	BSD	RPD	0	%	30
OP49564-BSD	85-68-7	Butyl benzyl phthalate	BSD	REC	109	%	40-140
OP49564-BSD	85-68-7	Butyl benzyl phthalate	BSD	RPD	2	%	30
OP49564-BSD	91-58-7	2-Chloronaphthalene	BSD	REC	91	%	40-140
OP49564-BSD	91-58-7	2-Chloronaphthalene	BSD	RPD	3	%	30
OP49564-BSD	106-47-8	4-Chloroaniline	BSD	REC	45	%	40-140
OP49564-BSD	106-47-8	4-Chloroaniline	BSD	RPD	5	%	30
OP49564-BSD	218-01-9	Chrysene	BSD	REC	94	%	40-140
OP49564-BSD	218-01-9	Chrysene	BSD	RPD	0	%	30
OP49564-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	REC	81	%	40-140
OP49564-BSD	111-91-1	bis(2-Chloroethoxy)methane	BSD	RPD	4	%	30
OP49564-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	REC	75	%	40-140
OP49564-BSD	111-44-4	bis(2-Chloroethyl)ether	BSD	RPD	6	%	30
OP49564-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	REC	86	%	40-140
OP49564-BSD	108-60-1	bis(2-Chloroisopropyl)ether	BSD	RPD	5	%	30
OP49564-BSD	95-50-1	1,2-Dichlorobenzene	BSD	REC	73	%	40-140
OP49564-BSD	95-50-1	1,2-Dichlorobenzene	BSD	RPD	7	%	30
OP49564-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	REC	94	%	40-140
OP49564-BSD	122-66-7	1,2-Diphenylhydrazine	BSD	RPD	3	%	30
OP49564-BSD	541-73-1	1,3-Dichlorobenzene	BSD	REC	72	%	40-140
OP49564-BSD	541-73-1	1,3-Dichlorobenzene	BSD	RPD	6	%	30
OP49564-BSD	106-46-7	1,4-Dichlorobenzene	BSD	REC	71	%	40-140
OP49564-BSD	106-46-7	1,4-Dichlorobenzene	BSD	RPD	5	%	30
OP49564-BSD	121-14-2	2,4-Dinitrotoluene	BSD	REC	104	%	40-140
OP49564-BSD	121-14-2	2,4-Dinitrotoluene	BSD	RPD	1	%	30
OP49564-BSD	606-20-2	2,6-Dinitrotoluene	BSD	REC	99	%	40-140
OP49564-BSD	606-20-2	2,6-Dinitrotoluene	BSD	RPD	4	%	30
OP49564-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	REC	72	%	40-140
OP49564-BSD	91-94-1	3,3'-Dichlorobenzidine	BSD	RPD	5	%	30
OP49564-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	REC	103	%	40-140
OP49564-BSD	53-70-3	Dibenzo(a,h)anthracene	BSD	RPD	0	%	30
OP49564-BSD	132-64-9	Dibenzofuran	BSD	REC	88	%	40-140
OP49564-BSD	132-64-9	Dibenzofuran	BSD	RPD	1	%	30
OP49564-BSD	84-74-2	Di-n-butyl phthalate	BSD	REC	96	%	40-140
OP49564-BSD	84-74-2	Di-n-butyl phthalate	BSD	RPD	0	%	30
OP49564-BSD	117-84-0	Di-n-octyl phthalate	BSD	REC	104	%	40-140
OP49564-BSD	117-84-0	Di-n-octyl phthalate	BSD	RPD	2	%	30
OP49564-BSD	84-66-2	Diethyl phthalate	BSD	REC	96	%	40-140
OP49564-BSD	84-66-2	Diethyl phthalate	BSD	RPD	1	%	30
OP49564-BSD	131-11-3	Dimethyl phthalate	BSD	REC	98	%	40-140
OP49564-BSD	131-11-3	Dimethyl phthalate	BSD	RPD	1	%	30
OP49564-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	REC	112	%	40-140
OP49564-BSD	117-81-7	bis(2-Ethylhexyl)phthalate	BSD	RPD	1	%	30
OP49564-BSD	206-44-0	Fluoranthene	BSD	REC	100	%	40-140
OP49564-BSD	206-44-0	Fluoranthene	BSD	RPD	0	%	30

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49564-BSD	86-73-7	Fluorene	BSD	REC	97	%	40-140
OP49564-BSD	86-73-7	Fluorene	BSD	RPD	2	%	30
OP49564-BSD	118-74-1	Hexachlorobenzene	BSD	REC	98	%	40-140
OP49564-BSD	118-74-1	Hexachlorobenzene	BSD	RPD	1	%	30
OP49564-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	79	%	40-140
OP49564-BSD	87-68-3	Hexachlorobutadiene	BSD	RPD	8	%	30
OP49564-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	REC	69	%	40-140
OP49564-BSD	77-47-4	Hexachlorocyclopentadiene	BSD	RPD	9	%	30
OP49564-BSD	67-72-1	Hexachloroethane	BSD	REC	69	%	40-140
OP49564-BSD	67-72-1	Hexachloroethane	BSD	RPD	7	%	30
OP49564-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	REC	101	%	40-140
OP49564-BSD	193-39-5	Indeno(1,2,3-cd)pyrene	BSD	RPD	0	%	30
OP49564-BSD	78-59-1	Isophorone	BSD	REC	85	%	40-140
OP49564-BSD	78-59-1	Isophorone	BSD	RPD	5	%	30
OP49564-BSD	91-57-6	2-Methylnaphthalene	BSD	REC	81	%	40-140
OP49564-BSD	91-57-6	2-Methylnaphthalene	BSD	RPD	5	%	30
OP49564-BSD	91-20-3	Naphthalene	BSD	REC	83	%	40-140
OP49564-BSD	91-20-3	Naphthalene	BSD	RPD	5	%	30
OP49564-BSD	98-95-3	Nitrobenzene	BSD	REC	81	%	40-140
OP49564-BSD	98-95-3	Nitrobenzene	BSD	RPD	6	%	30
OP49564-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	REC	88	%	40-140
OP49564-BSD	621-64-7	N-Nitroso-di-n-propylamine	BSD	RPD	6	%	30
OP49564-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	REC	95	%	40-140
OP49564-BSD	86-30-6	N-Nitrosodiphenylamine	BSD	RPD	1	%	30
OP49564-BSD	85-01-8	Phenanthrene	BSD	REC	95	%	40-140
OP49564-BSD	85-01-8	Phenanthrene	BSD	RPD	2	%	30
OP49564-BSD	129-00-0	Pyrene	BSD	REC	102	%	40-140
OP49564-BSD	129-00-0	Pyrene	BSD	RPD	3	%	30
OP49564-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	82	%	40-140
OP49564-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	RPD	5	%	30
OP49564-BSD	367-12-4	2-Fluorophenol	BSD	SURR	73	%	30-130
OP49564-BSD	4165-62-2	Phenol-d5	BSD	SURR	82	%	30-130
OP49564-BSD	118-79-6	2,4,6-Tribromophenol	BSD	SURR	91	%	30-130
OP49564-BSD	4165-60-0	Nitrobenzene-d5	BSD	SURR	72	%	30-130
OP49564-BSD	321-60-8	2-Fluorobiphenyl	BSD	SURR	79	%	30-130
OP49564-BSD	1718-51-0	Terphenyl-d14	BSD	SURR	91	%	30-130
OP49564-MB	367-12-4	2-Fluorophenol	MB	SURR	70	%	30-130
OP49564-MB	4165-62-2	Phenol-d5	MB	SURR	75	%	30-130
OP49564-MB	118-79-6	2,4,6-Tribromophenol	MB	SURR	80	%	30-130
OP49564-MB	4165-60-0	Nitrobenzene-d5	MB	SURR	66	%	30-130
OP49564-MB	321-60-8	2-Fluorobiphenyl	MB	SURR	73	%	30-130
OP49564-MB	1718-51-0	Terphenyl-d14	MB	SURR	93	%	30-130
MC49976-4	367-12-4	2-Fluorophenol	SAMP	SURR	85	%	30-130
MC49976-4	367-12-4	2-Fluorophenol	SAMP	SURR	80	%	30-130
MC49976-4	4165-62-2	Phenol-d5	SAMP	SURR	84	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-4	4165-62-2	Phenol-d5	SAMP	SURR	91	%	30-130
MC49976-4	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	89	%	30-130
MC49976-4	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	93	%	30-130
MC49976-4	4165-60-0	Nitrobenzene-d5	SAMP	SURR	75	%	30-130
MC49976-4	4165-60-0	Nitrobenzene-d5	SAMP	SURR	81	%	30-130
MC49976-4	321-60-8	2-Fluorobiphenyl	SAMP	SURR	82	%	30-130
MC49976-4	321-60-8	2-Fluorobiphenyl	SAMP	SURR	86	%	30-130
MC49976-4	1718-51-0	Terphenyl-d14	SAMP	SURR	91	%	30-130
MC49976-4	1718-51-0	Terphenyl-d14	SAMP	SURR	99	%	30-130
MC49976-8	367-12-4	2-Fluorophenol	SAMP	SURR	80	%	30-130
MC49976-8	4165-62-2	Phenol-d5	SAMP	SURR	85	%	30-130
MC49976-8	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	92	%	30-130
MC49976-8	4165-60-0	Nitrobenzene-d5	SAMP	SURR	78	%	30-130
MC49976-8	321-60-8	2-Fluorobiphenyl	SAMP	SURR	85	%	30-130
MC49976-8	1718-51-0	Terphenyl-d14	SAMP	SURR	97	%	30-130
MC49976-12	367-12-4	2-Fluorophenol	SAMP	SURR	78	%	30-130
MC49976-12	4165-62-2	Phenol-d5	SAMP	SURR	82	%	30-130
MC49976-12	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	83	%	30-130
MC49976-12	4165-60-0	Nitrobenzene-d5	SAMP	SURR	77	%	30-130
MC49976-12	321-60-8	2-Fluorobiphenyl	SAMP	SURR	79	%	30-130
MC49976-12	1718-51-0	Terphenyl-d14	SAMP	SURR	91	%	30-130
MC49976-16	367-12-4	2-Fluorophenol	SAMP	SURR	76	%	30-130
MC49976-16	367-12-4	2-Fluorophenol	SAMP	SURR	74	%	30-130
MC49976-16	4165-62-2	Phenol-d5	SAMP	SURR	74	%	30-130
MC49976-16	4165-62-2	Phenol d5	SAMP	SURR	79	%	30-130
MC49976-16	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	86	%	30-130
MC49976-16	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	87	%	30-130
MC49976-16	4165-60-0	Nitrobenzene-d5	SAMP	SURR	73	%	30-130
MC49976-16	4165-60-0	Nitrobenzene-d5	SAMP	SURR	71	%	30-130
MC49976-16	321-60-8	2-Fluorobiphenyl	SAMP	SURR	81	%	30-130
MC49976-16	321-60-8	2-Fluorobiphenyl	SAMP	SURR	79	%	30-130
MC49976-16	1718-51-0	Terphenyl-d14	SAMP	SURR	89	%	30-130
MC49976-16	1718-51-0	Terphenyl-d14	SAMP	SURR	89	%	30-130
MC49976-20	367-12-4	2-Fluorophenol	SAMP	SURR	75	%	30-130
MC49976-20	4165-62-2	Phenol-d5	SAMP	SURR	81	%	30-130
MC49976-20	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	92	%	30-130
MC49976-20	4165-60-0	Nitrobenzene-d5	SAMP	SURR	73	%	30-130
MC49976-20	321-60-8	2-Fluorobiphenyl	SAMP	SURR	83	%	30-130
MC49976-20	1718-51-0	Terphenyl-d14	SAMP	SURR	96	%	30-130
MC49976-24	367-12-4	2-Fluorophenol	SAMP	SURR	72	%	30-130
MC49976-24	367-12-4	2-Fluorophenol	SAMP	SURR	79	%	30-130
MC49976-24	4165-62-2	Phenol-d5	SAMP	SURR	79	%	30-130
MC49976-24	4165-62-2	Phenol-d5	SAMP	SURR	78	%	30-130
MC49976-24	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	89	%	30-130
MC49976-24	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	87	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-24	4165-60-0	Nitrobenzene-d5	SAMP	SURR	73	%	30-130
MC49976-24	4165-60-0	Nitrobenzene-d5	SAMP	SURR	70	%	30-130
MC49976-24	321-60-8	2-Fluorobiphenyl	SAMP	SURR	77	%	30-130
MC49976-24	321-60-8	2-Fluorobiphenyl	SAMP	SURR	83	%	30-130
MC49976-24	1718-51-0	Terphenyl-d14	SAMP	SURR	87	%	30-130
MC49976-24	1718-51-0	Terphenyl-d14	SAMP	SURR	97	%	30-130
MC49976-28	367-12-4	2-Fluorophenol	SAMP	SURR	77	%	30-130
MC49976-28	4165-62-2	Phenol-d5	SAMP	SURR	82	%	30-130
MC49976-28	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	92	%	30-130
MC49976-28	4165-60-0	Nitrobenzene-d5	SAMP	SURR	73	%	30-130
MC49976-28	321-60-8	2-Fluorobiphenyl	SAMP	SURR	81	%	30-130
MC49976-28	1718-51-0	Terphenyl-d14	SAMP	SURR	91	%	30-130
MC49976-32	367-12-4	2-Fluorophenol	SAMP	SURR	68	%	30-130
MC49976-32	4165-62-2	Phenol-d5	SAMP	SURR	76	%	30-130
MC49976-32	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	83	%	30-130
MC49976-32	4165-60-0	Nitrobenzene-d5	SAMP	SURR	71	%	30-130
MC49976-32	321-60-8	2-Fluorobiphenyl	SAMP	SURR	79	%	30-130
MC49976-32	1718-51-0	Terphenyl-d14	SAMP	SURR	92	%	30-130
MC49976-36	367-12-4	2-Fluorophenol	SAMP	SURR	71	%	30-130
MC49976-36	4165-62-2	Phenol-d5	SAMP	SURR	75	%	30-130
MC49976-36	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	80	%	30-130
MC49976-36	4165-60-0	Nitrobenzene-d5	SAMP	SURR	70	%	30-130
MC49976-36	321-60-8	2-Fluorobiphenyl	SAMP	SURR	74	%	30-130
MC49976-36	1718-51-0	Terphenyl-d14	SAMP	SURR	85	%	30-130
MC49976-40	367-12-4	2-Fluorophenol	SAMP	SURR	79	%	30-130
MC49976-40	4165-62-2	Phenol-d5	SAMP	SURR	83	%	30-130
MC49976-40	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	89	%	30-130
MC49976-40	4165-60-0	Nitrobenzene-d5	SAMP	SURR	78	%	30-130
MC49976-40	321-60-8	2-Fluorobiphenyl	SAMP	SURR	81	%	30-130
MC49976-40	1718-51-0	Terphenyl-d14	SAMP	SURR	92	%	30-130
MC49976-44	367-12-4	2-Fluorophenol	SAMP	SURR	83	%	30-130
MC49976-44	4165-62-2	Phenol-d5	SAMP	SURR	86	%	30-130
MC49976-44	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	92	%	30-130
MC49976-44	4165-60-0	Nitrobenzene-d5	SAMP	SURR	82	%	30-130
MC49976-44	321-60-8	2-Fluorobiphenyl	SAMP	SURR	86	%	30-130
MC49976-44	1718-51-0	Terphenyl-d14	SAMP	SURR	97	%	30-130
MC49976-48	367-12-4	2-Fluorophenol	SAMP	SURR	72	%	30-130
MC49976-48	4165-62-2	Phenol-d5	SAMP	SURR	76	%	30-130
MC49976-48	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	85	%	30-130
MC49976-48	4165-60-0	Nitrobenzene-d5	SAMP	SURR	73	%	30-130
MC49976-48	321-60-8	2-Fluorobiphenyl	SAMP	SURR	78	%	30-130
MC49976-48	1718-51-0	Terphenyl-d14	SAMP	SURR	92	%	30-130
MC49976-52	367-12-4	2-Fluorophenol	SAMP	SURR	45	%	30-130
MC49976-52	4165-62-2	Phenol-d5	SAMP	SURR	51	%	30-130
MC49976-52	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	72	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-52	4165-60-0	Nitrobenzene-d5	SAMP	SURR	47	%	30-130
MC49976-52	321-60-8	2-Fluorobiphenyl	SAMP	SURR	55	%	30-130
MC49976-52	1718-51-0	Terphenyl-d14	SAMP	SURR	76	%	30-130
MC49976-56	367-12-4	2-Fluorophenol	SAMP	SURR	80	%	30-130
MC49976-56	4165-62-2	Phenol-d5	SAMP	SURR	81	%	30-130
MC49976-56	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	89	%	30-130
MC49976-56	4165-60-0	Nitrobenzene-d5	SAMP	SURR	75	%	30-130
MC49976-56	321-60-8	2-Fluorobiphenyl	SAMP	SURR	80	%	30-130
MC49976-56	1718-51-0	Terphenyl-d14	SAMP	SURR	89	%	30-130
MC49976-60	367-12-4	2-Fluorophenol	SAMP	SURR	83	%	30-130
MC49976-60	367-12-4	2-Fluorophenol	SAMP	SURR	78	%	30-130
MC49976-60	4165-62-2	Phenol-d5	SAMP	SURR	84	%	30-130
MC49976-60	4165-62-2	Phenol-d5	SAMP	SURR	81	%	30-130
MC49976-60	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	91	%	30-130
MC49976-60	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	94	%	30-130
MC49976-60	4165-60-0	Nitrobenzene-d5	SAMP	SURR	77	%	30-130
MC49976-60	4165-60-0	Nitrobenzene-d5	SAMP	SURR	78	%	30-130
MC49976-60	321-60-8	2-Fluorobiphenyl	SAMP	SURR	83	%	30-130
MC49976-60	321-60-8	2-Fluorobiphenyl	SAMP	SURR	84	%	30-130
MC49976-60	1718-51-0	Terphenyl-d14	SAMP	SURR	94	%	30-130
MC49976-60	1718-51-0	Terphenyl-d14	SAMP	SURR	99	%	30-130
MC49976-64	367-12-4	2-Fluorophenol	SAMP	SURR	79	%	30-130
MC49976-64	4165-62-2	Phenol-d5	SAMP	SURR	80	%	30-130
MC49976-64	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	89	%	30-130
MC49976-64	4165-60-0	Nitrobenzene-d5	SAMP	SURR	78	%	30-130
MC49976-64	321-60-8	2-Fluorobiphenyl	SAMP	SURR	82	%	30-130
MC49976-64	1718-51-0	Terphenyl-d14	SAMP	SURR	88	%	30-130
MC49976-68	367-12-4	2-Fluorophenol	SAMP	SURR	74	%	30-130
MC49976-68	4165-62-2	Phenol-d5	SAMP	SURR	78	%	30-130
MC49976-68	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	86	%	30-130
MC49976-68	4165-60-0	Nitrobenzene-d5	SAMP	SURR	71	%	30-130
MC49976-68	321-60-8	2-Fluorobiphenyl	SAMP	SURR	78	%	30-130
MC49976-68	1718-51-0	Terphenyl-d14	SAMP	SURR	85	%	30-130
MC49976-72	367-12-4	2-Fluorophenol	SAMP	SURR	78	%	30-130
MC49976-72	367-12-4	2-Fluorophenol	SAMP	SURR	72	%	30-130
MC49976-72	4165-62-2	Phenol-d5	SAMP	SURR	75	%	30-130
MC49976-72	4165-62-2	Phenol-d5	SAMP	SURR	74	%	30-130
MC49976-72	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	74	%	30-130
MC49976-72	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	74	%	30-130
MC49976-72	4165-60-0	Nitrobenzene-d5	SAMP	SURR	70	%	30-130
MC49976-72	4165-60-0	Nitrobenzene-d5	SAMP	SURR	69	%	30-130
MC49976-72	321-60-8	2-Fluorobiphenyl	SAMP	SURR	75	%	30-130
MC49976-72	321-60-8	2-Fluorobiphenyl	SAMP	SURR	72	%	30-130
MC49976-72	1718-51-0	Terphenyl-d14	SAMP	SURR	81	%	30-130
MC49976-72	1718-51-0	Terphenyl-d14	SAMP	SURR	86	%	30-130

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected 03-28-17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-76	367-12-4	2-Fluorophenol	SAMP	SURR	77	%	30-130
MC49976-76	367-12-4	2-Fluorophenol	SAMP	SURR	77	%	30-130
MC49976-76	4165-62-2	Phenol-d5	SAMP	SURR	82	%	30-130
MC49976-76	4165-62-2	Phenol-d5	SAMP	SURR	84	%	30-130
MC49976-76	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	77	%	30-130
MC49976-76	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	71	%	30-130
MC49976-76	4165-60-0	Nitrobenzene-d5	SAMP	SURR	75	%	30-130
MC49976-76	4165-60-0	Nitrobenzene-d5	SAMP	SURR	78	%	30-130
MC49976-76	321-60-8	2-Fluorobiphenyl	SAMP	SURR	82	%	30-130
MC49976-76	321-60-8	2-Fluorobiphenyl	SAMP	SURR	76	%	30-130
MC49976-76	1718-51-0	Terphenyl-d14	SAMP	SURR	85	%	30-130
MC49976-76	1718-51-0	Terphenyl-d14	SAMP	SURR	87	%	30-130
OP49566	SW846 8082A						
OP49566-BS	12674-11-2	Aroclor 1016	BSP	REC	91	%	40-140
OP49566-BS	11096-82-5	Aroclor 1260	BSP	REC	93	%	40-140
OP49566-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR	90	%	30-150
OP49566-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR	93	%	30-150
OP49566-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR	87	%	30-150
OP49566-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR	92	%	30-150
OP49566-BSD	12674-11-2	Aroclor 1016	BSD	REC	86	%	40-140
OP49566-BSD	12674-11-2	Aroclor 1016	BSD	RPD	6	%	30
OP49566-BSD	11104-28-2	Aroclor 1221	BSD	RPD	0	%	30
OP49566-BSD	11141-16-5	Aroclor 1232	BSD	RPD	0	%	30
OP49566-BSD	53469-21-9	Aroclor 1242	BSD	RPD	0	%	30
OP49566-BSD	12672-29-6	Aroclor 1248	BSD	RPD	0	%	30
OP49566-BSD	11097-69-1	Aroclor 1254	BSD	RPD	0	%	30
OP49566-BSD	11096-82-5	Aroclor 1260	BSD	REC	87	%	40-140
OP49566-BSD	11096-82-5	Aroclor 1260	BSD	RPD	7	%	30
OP49566-BSD	37324-23-5	Aroclor 1262	BSD	RPD	0	%	30
OP49566-BSD	11100-14-4	Aroclor 1268	BSD	RPD	0	%	30
OP49566-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR	88	%	30-150
OP49566-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR	86	%	30-150
OP49566-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR	83	%	30-150
OP49566-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR	79	%	30-150
OP49566-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	99	%	30-150
OP49566-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	100	%	30-150
OP49566-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	90	%	30-150
OP49566-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	93	%	30-150
MC49976-4	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	78	%	30-150
MC49976-4	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	57	%	30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	85	%	30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	68	%	30-150
MC49976-8	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	86	%	30-150

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-8	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	77	%	30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	93	%	30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	82	%	30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	84	%	30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	73	%	30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	95	%	30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	80	%	30-150
MC49976-16	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	81	%	30-150
MC49976-16	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	57	%	30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	96	%	30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	79	%	30-150
MC49976-20	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	76	%	30-150
MC49976-20	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	63	%	30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	86	%	30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	76	%	30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	81	%	30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	55	%	30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	87	%	30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	65	%	30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	90	%	30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	80	%	30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	98	%	30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	89	%	30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	84	%	30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	67	%	30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	102	%	30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	79	%	30-150
MC49976-36	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	90	%	30-150
MC49976-36	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	81	%	30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	102	%	30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	88	%	30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	83	%	30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	64	%	30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	99	%	30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	87	%	30-150
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	82	%	30-150
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	78	%	30-150
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	91	%	30-150
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	81	%	30-150
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	87	%	30-150
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	79	%	30-150
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	102	%	30-150
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	92	%	30-150
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	84	%	30-150
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	74	%	30-150

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	96	%	30-150
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	82	%	30-150
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	80	%	30-150
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	68	%	30-150
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	91	%	30-150
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	79	%	30-150
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	76	%	30-150
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	55	%	30-150
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	83	%	30-150
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	64	%	30-150
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	70	%	30-150
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	57	%	30-150
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	79	%	30-150
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	67	%	30-150
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	79	%	30-150
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	57	%	30-150
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	89	%	30-150
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	67	%	30-150
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	80	%	30-150
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	54	%	30-150
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	92	%	30-150
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	66	%	30-150
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	75	%	30-150
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	52	%	30-150
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	95	%	30-150
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	70	%	30-150
OP49567	SW846 8081B						
OP49567-BS	309-00-2	Aldrin	BSP	REC	109	%	40-140
OP49567-BS	319-84-6	alpha-BHC	BSP	REC	107	%	40-140
OP49567-BS	319-85-7	beta-BHC	BSP	REC	112	%	40-140
OP49567-BS	319-86-8	delta-BHC	BSP	REC	61	%	40-140
OP49567-BS	58-89-9	gamma-BHC (Lindane)	BSP	REC	114	%	40-140
OP49567-BS	60-57-1	Dieldrin	BSP	REC	94	%	40-140
OP49567-BS	72-54-8	4,4'-DDD	BSP	REC	113	%	40-140
OP49567-BS	72-55-9	4,4'-DDE	BSP	REC	109	%	40-140
OP49567-BS	50-29-3	4,4'-DDT	BSP	REC	106	%	40-140
OP49567-BS	72-20-8	Endrin	BSP	REC	113	%	40-140
OP49567-BS	1031-07-8	Endosulfan sulfate	BSP	REC	120	%	40-140
OP49567-BS	959-98-8	Endosulfan I	BSP	REC	116	%	40-140
OP49567-BS	33213-65-9	Endosulfan-II	BSP	REC	115	%	40-140
OP49567-BS	76-44-8	Heptachlor	BSP	REC	108	%	40-140
OP49567-BS	1024-57-3	Heptachlor epoxide	BSP	REC	108	%	40-140
OP49567-BS	118-74-1	Hexachlorobenzene	BSP	REC	84	%	40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49567-BS	72-43-5	Methoxychlor	BSP	REC	106	%	40-140
OP49567-BS	53494-70-5	Endrin ketone	BSP	REC	110	%	40-140
OP49567-BS	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR	89	%	30-150
OP49567-BS	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR	92	%	30-150
OP49567-BS	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR	113	%	30-150
OP49567-BS	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR	104	%	30-150
OP49567-BSD	309-00-2	Aldrin	BSD	REC	109	%	40-140
OP49567-BSD	309-00-2	Aldrin	BSD	RPD	1	%	30
OP49567-BSD	319-84-6	alpha-BHC	BSD	REC	105	%	40-140
OP49567-BSD	319-84-6	alpha-BHC	BSD	RPD	2	%	30
OP49567-BSD	319-85-7	beta-BHC	BSD	REC	109	%	40-140
OP49567-BSD	319-85-7	beta-BHC	BSD	RPD	4	%	30
OP49567-BSD	319-86-8	delta-BHC	BSD	REC	58	%	40-140
OP49567-BSD	319-86-8	delta-BHC	BSD	RPD	5	%	30
OP49567-BSD	58-89-9	gamma-BHC (Lindane)	BSD	REC	108	%	40-140
OP49567-BSD	58-89-9	gamma-BHC (Lindane)	BSD	RPD	5	%	30
OP49567-BSD	60-57-1	Dieldrin	BSD	REC	94	%	40-140
OP49567-BSD	60-57-1	Dieldrin	BSD	RPD	1	%	30
OP49567-BSD	72-54-8	4,4'-DDD	BSD	REC	107	%	40-140
OP49567-BSD	72-54-8	4,4'-DDD	BSD	RPD	5	%	30
OP49567-BSD	72-55-9	4,4'-DDE	BSD	REC	108	%	40-140
OP49567-BSD	72-55-9	4,4'-DDE	BSD	RPD	1	%	30
OP49567-BSD	50-29-3	4,4'-DDT	BSD	REC	101	%	40-140
OP49567-BSD	50-29-3	4,4'-DDT	BSD	RPD	5	%	30
OP49567-BSD	72-20-8	Endrin	BSD	REC	106	%	40-140
OP49567-BSD	72-20-8	Endrin	BSD	RPD	6	%	30
OP49567-BSD	1031-07-8	Endosulfan sulfate	BSD	REC	112	%	40-140
OP49567-BSD	1031-07-8	Endosulfan sulfate	BSD	RPD	7	%	30
OP49567-BSD	959-98-8	Endosulfan I	BSD	REC	112	%	40-140
OP49567-BSD	959-98-8	Endosulfan I	BSD	RPD	4	%	30
OP49567-BSD	33213-65-9	Endosulfan II	BSD	REC	110	%	40-140
OP49567-BSD	33213-65-9	Endosulfan II	BSD	RPD	5	%	30
OP49567-BSD	76-44-8	Heptachlor	BSD	REC	102	%	40-140
OP49567-BSD	76-44-8	Heptachlor	BSD	RPD	6	%	30
OP49567-BSD	1024-57-3	Heptachlor epoxide	BSD	REC	105	%	40-140
OP49567-BSD	1024-57-3	Heptachlor epoxide	BSD	RPD	3	%	30
OP49567-BSD	118-74-1	Hexachlorobenzene	BSD	REC	84	%	40-140
OP49567-BSD	72-43-5	Methoxychlor	BSD	REC	97	%	40-140
OP49567-BSD	72-43-5	Methoxychlor	BSD	RPD	9	%	30
OP49567-BSD	53494-70-5	Endrin ketone	BSD	REC	104	%	40-140
OP49567-BSD	53494-70-5	Endrin ketone	BSD	RPD	5	%	30
OP49567-BSD	877-09-8	Tetrachloro-m-xylene (sig#1)	BSD	SURR	91	%	30-150
OP49567-BSD	877-09-8	Tetrachloro-m-xylene (sig#2)	BSD	SURR	94	%	30-150
OP49567-BSD	2051-24-3	Decachlorobiphenyl (sig#1)	BSD	SURR	104	%	30-150
OP49567-BSD	2051-24-3	Decachlorobiphenyl (sig#2)	BSD	SURR	107	%	30-150

* Sample used for QC is not from Job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP49567-MB	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	100	%	30-150
OP49567-MB	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	88	%	30-150
OP49567-MB	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	107	%	30-150
OP49567-MB	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	110	%	30-150
MC49976-4	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	48	%	30-150
MC49976-4	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	64	%	30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	59	%	30-150
MC49976-4	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	150	%	30-150
MC49976-8	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	68	%	30-150
MC49976-8	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	73	%	30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	61	%	30-150
MC49976-8	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	88	%	30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	71	%	30-150
MC49976-12	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	82	%	30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	62	%	30-150
MC49976-12	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	122	%	30-150
MC49976-16	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	47	%	30-150
MC49976-16	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	65	%	30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	54	%	30-150
MC49976-16	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	218 [b]	%	30-150
MC49976-20	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	60	%	30-150
MC49976-20	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	71	%	30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	62	%	30-150
MC49976-20	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	142	%	30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	40	%	30-150
MC49976-24	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	63	%	30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	707 [e]	%	30-150
MC49976-24	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	841 [e]	%	30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	83	%	30-150
MC49976-28	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	81	%	30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	65	%	30-150
MC49976-28	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	86	%	30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	55	%	30-150
MC49976-32	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	65	%	30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	59	%	30-150
MC49976-32	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	190 [b]	%	30-150
MC49976-36	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	73	%	30-150
MC49976-36	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	73	%	30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	53	%	30-150
MC49976-36	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	95	%	30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	58	%	30-150
MC49976-40	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	68	%	30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	70	%	30-150
MC49976-40	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	120	%	30-150
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	86	%	30-150

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/28/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MC49976-44	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	81	%	30-150
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	50	%	30-150
MC49976-44	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	79	%	30-150
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	82	%	30-150
MC49976-48	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	78	%	30-150
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	52	%	30-150
MC49976-48	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	78	%	30-150
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	71	%	30-150
MC49976-52	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	77	%	30-150
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	56	%	30-150
MC49976-52	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	90	%	30-150
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	60	%	30-150
MC49976-56	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	68	%	30-150
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	55	%	30-150
MC49976-56	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	90	%	30-150
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	47	%	30-150
MC49976-60	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	65	%	30-150
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	53	%	30-150
MC49976-60	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	175 [b]	%	30-150
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	55	%	30-150
MC49976-64	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	66	%	30-150
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	46	%	30-150
MC49976-64	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	88	%	30-150
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	51	%	30-150
MC49976-68	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	73	%	30-150
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	54	%	30-150
MC49976-68	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	174 [b]	%	30-150
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	48	%	30-150
MC49976-72	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	68	%	30-150
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	82	%	30-150
MC49976-72	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	474 [b]	%	30-150
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	46	%	30-150
MC49976-76	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	58	%	30-150
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	78	%	30-150
MC49976-76	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	374 [b]	%	30-150

(a) Outside control limits. Associated samples are non detect for this compound.
(b) Outside control limits due to possible matrix interference.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Outside control limits. Individual spike recoveries within acceptance limits.
(e) Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis.

* Sample used for QC is not from job MC49976

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-MB	M83286.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-MB	M83286.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002 MB	M83286.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	121%	65-141%
2037-26-5	Toluene-D8	103%	65-129%
460-00-4	4-Bromofluorobenzene	98%	63-137%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-MB	M83304.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville 343 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-MB	M83304.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd
Project: Maggiore Somerville 343 351 Summer Street Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-MB	M83304.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	130%	65-141%
2037-26-5	Toluene-D8	104%	65-129%
460-00-4	4-Bromofluorobenzene	98%	63-137%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-MB	M83330.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-64, MC49976-68, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78 93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98 8	sec-Butylbenzene	ND	5.0	ug/kg	
98 06 6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28 9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20 7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58 6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-MB	M83330.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-64, MC49976-68, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-MB	M83330.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-64, MC49976-68, MC49976-76

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	136%	65-141%
2037-26-5	Toluene-D8	107%	65-129%
460-00-4	4-Bromofluorobenzene	102%	63-137%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-MB	M83353.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-24

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-MB	M83353.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-24

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-MB	M83353.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-24

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	138%	65-141%
2037-26-5	Toluene-D8	108%	65-129%
460-00-4	4-Bromofluorobenzene	100%	63-137%

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-MB	M83412.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-52

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	12.3	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	2.0	ug/kg	
74-83-9	Bromomethane	ND	10	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	10	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-MB	M83412.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-52

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
123-91-1	1,4-Dioxane	ND	130	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	0.51	2.0	ug/kg	J
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	ug/kg	
100-42-5	Styrene	ND	5.0	ug/kg	
994-05-8	tert-Amyl Methyl Ether	ND	5.0	ug/kg	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	5.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	10	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-MB	M83412.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-52

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	65-141%
2037-26-5	Toluene-D8	101%	65-129%
460-00-4	4-Bromofluorobenzene	100%	63-137%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-BS	M83283.D	1	03/30/17	DRY	n/a	n/a	MSM3002
MSM3002-BSD	M83284.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	78.1	156	68.5	137	13	24-179/25
71-43-2	Benzene	50	50.9	102	50.5	101	1	73-115/25
108-86-1	Bromobenzene	50	50.9	102	51.1	102	0	76-121/25
74-97-5	Bromochloromethane	50	52.3	105	51.4	103	2	76-129/25
75-27-4	Bromodichloromethane	50	52.9	106	52.9	106	0	76-122/25
75-25-2	Bromoform	50	51.9	104	49.8	100	4	67-151/25
74-83-9	Bromomethane	50	43.7	87	46.6	93	6	52-139/25
78-93-3	2-Butanone (MEK)	50	76.5	153* [a]	64.5	129	17	32-151/25
104-51-8	n-Butylbenzene	50	61.4	123	60.0	120	2	71-124/25
135-98-8	sec Butylbenzene	50	57.6	115	56.8	114	1	71-124/25
98-06-6	tert-Butylbenzene	50	47.8	96	46.1	92	4	66-125/25
75-15-0	Carbon disulfide	50	48.4	97	46.8	94	3	57-143/25
56-23-5	Carbon tetrachloride	50	56.9	114	55.2	110	3	73-129/25
108-90-7	Chlorobenzene	50	49.2	98	49.4	99	0	79-123/25
75-00-3	Chloroethane	50	47.2	94	51.9	104	9	51-159/25
67-66-3	Chloroform	50	54.0	108	52.7	105	2	72-122/25
74-87-3	Chloromethane	50	55.0	110	53.1	106	4	57-143/25
95-49-8	o-Chlorotoluene	50	54.8	110	54.8	110	0	68-121/25
106-43-4	p-Chlorotoluene	50	54.9	110	54.5	109	1	68-119/25
108-20-3	Di-Isopropyl ether	50	58.5	117	57.2	114	2	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	54.5	109	49.1	98	10	52-132/25
124-48-1	Dibromochloromethane	50	48.5	97	48.7	97	0	74-139/25
106-93-4	1,2-Dibromoethane	50	48.5	97	47.3	95	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	53.2	106	52.1	104	2	73-122/25
541-73-1	1,3-Dichlorobenzene	50	53.0	106	52.3	105	1	74-119/25
106-46-7	1,4-Dichlorobenzene	50	52.0	104	51.8	104	0	75-118/25
75-71-8	Dichlorodifluoromethane	50	52.5	105	49.5	99	6	11-183/25
75-34-3	1,1-Dichloroethane	50	54.8	110	53.4	107	3	70-128/25
107-06-2	1,2-Dichloroethane	50	54.0	108	52.6	105	3	70-126/25
75-35-4	1,1-Dichloroethene	50	54.4	109	53.1	106	2	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	53.7	107	52.2	104	3	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	54.2	108	52.2	104	4	71-131/25
78-87-5	1,2-Dichloropropane	50	52.4	105	52.1	104	1	79-124/25
142-28-9	1,3-Dichloropropane	50	49.5	99	49.3	99	0	78-128/25
594-20-7	2,2-Dichloropropane	50	59.9	120	57.6	115	4	54-145/25
563-58-6	1,1-Dichloropropene	50	55.6	111	54.4	109	2	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-BS	M83283.D	1	03/30/17	DRY	n/a	n/a	MSM3002
MSM3002-BSD	M83284.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	53.4	107	54.4	109	2	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	55.3	111	54.5	109	1	75-128/25
123-91-1	1,4-Dioxane	250	282	113	279	112	1	48-156/25
60-29-7	Ethyl Ether	50	56.3	113	53.6	107	5	68-141/25
100-41-4	Ethylbenzene	50	52.9	106	52.6	105	1	76-122/25
87-68-3	Hexachlorobutadiene	50	56.9	114	55.6	111	2	73-137/25
591-78-6	2-Hexanone	50	67.0	134	58.3	117	14	26-169/25
98-82-8	Isopropylbenzene	50	56.8	114	56.5	113	1	69-124/25
99-87-6	p-Isopropyltoluene	50	59.4	119	58.8	118	1	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	57.3	115	54.6	109	5	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	60.6	121	54.5	109	11	43-166/25
74-95-3	Methylene bromide	50	52.1	104	50.9	102	2	76-125/25
75-09-2	Methylene chloride	50	51.4	103	50.0	100	3	74-125/25
91-20-3	Naphthalene	50	59.0	118	54.7	109	8	39-158/25
103-65-1	n-Propylbenzene	50	56.5	113	55.8	112	1	69-121/25
100-42-5	Styrene	50	55.7	111	55.7	111	0	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	57.8	116	56.4	113	2	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	57.9	116	56.0	112	3	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	51.0	102	50.1	100	2	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	50.2	100	47.9	96	5	66-134/25
127-18-4	Tetrachloroethene	50	50.7	101	50.7	101	0	76-125/25
109-99-9	Tetrahydrofuran	50	55.8	112	52.6	105	6	34-177/25
108-88-3	Toluene	50	51.9	104	52.1	104	0	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	58.0	116	54.4	109	6	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	59.3	119	56.3	113	5	66-133/25
71-55-6	1,1,1-Trichloroethane	50	56.6	113	54.3	109	4	70-130/25
79-00-5	1,1,2-Trichloroethane	50	51.0	102	49.9	100	2	75-124/25
79-01-6	Trichloroethene	50	52.5	105	51.6	103	2	74-127/25
75-69-4	Trichlorofluoromethane	50	57.8	116	55.2	110	5	48-156/25
96-18-4	1,2,3-Trichloropropane	50	50.9	102	49.4	99	3	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	58.2	116	57.3	115	2	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	57.3	115	56.5	113	1	69-123/25
75-01-4	Vinyl chloride	50	56.3	113	53.2	106	6	33-166/25
	m,p-Xylene	100	109	109	108	108	1	78-122/25
95-47-6	o-Xylene	50	56.3	113	56.5	113	0	77-123/25
1330-20-7	Xylene (total)	150	165	110	165	110	0	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3002-BS	M83283.D	1	03/30/17	DRY	n/a	n/a	MSM3002
MSM3002-BSD	M83284.D	1	03/30/17	DRY	n/a	n/a	MSM3002

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	101%	65-141%
2037-26-5	Toluene-D8	102%	102%	65-129%
460-00-4	4-Bromofluorobenzene	99%	100%	63-137%

(a) Outside control limits. Associated samples are non detect for this compound.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-BS	M83301.D	1	03/31/17	DRY	n/a	n/a	MSM3003
MSM3003-BSD	M83302.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	78.7	157	87.1	174	10	24-179/25
71-43-2	Benzene	50	51.8	104	53.0	106	2	73-115/25
108-86-1	Bromobenzene	50	50.8	102	52.6	105	3	76-121/25
74-97-5	Bromochloromethane	50	53.8	108	54.1	108	1	76-129/25
75-27-4	Bromodichloromethane	50	55.5	111	55.9	112	1	76-122/25
75-25-2	Bromoform	50	53.4	107	51.4	103	4	67-151/25
74-83-9	Bromomethane	50	45.9	92	48.7	97	6	52-139/25
78 93 3	2 Butanone (MEK)	50	74.3	149	71.7	143	4	32 151/25
104-51-8	n-Butylbenzene	50	57.0	114	62.2	124	9	71-124/25
135-98-8	sec-Butylbenzene	50	55.0	110	58.9	118	7	71-124/25
98-06-6	tert-Butylbenzene	50	46.2	92	57.0	114	21	66-125/25
75-15-0	Carbon disulfide	50	46.8	94	48.1	96	3	57-143/25
56-23-5	Carbon tetrachloride	50	56.1	112	58.0	116	3	73-129/25
108-90-7	Chlorobenzene	50	48.7	97	50.8	102	4	79-123/25
75-00-3	Chloroethane	50	51.2	102	55.5	111	8	51-159/25
67-66-3	Chloroform	50	55.1	110	56.7	113	3	72-122/25
74-87-3	Chloromethane	50	52.8	106	54.4	109	3	57-143/25
95-49 8	o-Chlorotoluene	50	53.9	108	56.8	114	5	68-121/25
106-43-4	p-Chlorotoluene	50	54.0	108	56.8	114	5	68-119/25
108-20-3	Di-Isopropyl ether	50	58.7	117	59.5	119	1	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	56.6	113	52.9	106	7	52-132/25
124-48-1	Dibromochloromethane	50	50.6	101	50.3	101	1	74-139/25
106-93-4	1,2-Dibromoethane	50	50.9	102	49.6	99	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	51.0	102	52.9	106	4	73-122/25
541-73-1	1,3-Dichlorobenzene	50	51.3	103	53.8	108	5	74-119/25
106-46-7	1,4-Dichlorobenzene	50	50.1	100	52.8	106	5	75-118/25
75-71-8	Dichlorodifluoromethane	50	46.4	93	49.4	99	6	11-183/25
75-34-3	1,1-Dichloroethane	50	55.4	111	55.9	112	1	70-128/25
107-06-2	1,2-Dichloroethane	50	58.2	116	56.8	114	2	70-126/25
75-35-4	1,1-Dichloroethene	50	52.0	104	55.0	110	6	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	53.1	106	54.6	109	3	78-128/25
156 60-5	trans-1,2-Dichloroethene	50	52.9	106	55.5	111	5	71-131/25
78-87-5	1,2-Dichloropropane	50	53.8	108	54.2	108	1	79-124/25
142-28 9	1,3-Dichloropropane	50	51.9	104	51.9	104	0	78-128/25
594-20-7	2,2-Dichloropropane	50	56.6	113	60.5	121	7	54-145/25
563-58 6	1,1-Dichloropropene	50	55.7	111	58.0	116	4	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003-BS	M83301.D	1	03/31/17	DRY	n/a	n/a	MSM3003
MSM3003-BSD	M83302.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061 01 5	cis 1,3 Dichloropropene	50	56.5	113	57.0	114	1	75 126/25
10061-02-6	trans-1,3-Dichloropropene	50	58.8	118	58.2	116	1	75-128/25
123-91-1	1,4-Dioxane	250	342	137	277	111	21	48-156/25
60-29-7	Ethyl Ether	50	57.3	115	56.9	114	1	68 141/25
100 41-4	Ethylbenzene	50	51.9	104	54.4	109	5	76 122/25
87-68-3	Hexachlorobutadiene	50	51.0	102	56.2	112	10	73 137/25
591-78-6	2-Hexanone	50	66.2	132	64.1	128	3	26-169/25
98-82-8	Isopropylbenzene	50	54.5	109	58.3	117	7	69-124/25
99-87-6	p-Isopropyltoluene	50	56.1	112	60.5	121	8	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	58.2	116	57.2	114	2	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	64.5	129	60.6	121	6	43-166/25
74 95 3	Methylene bromide	50	55.4	111	54.7	109	1	76-125/25
75-09-2	Methylene chloride	50	50.9	102	51.9	104	2	74-125/25
91-20 3	Naphthalene	50	56.4	113	56.2	112	0	39-158/25
103-65-1	n-Propylbenzene	50	54.6	109	58.4	117	7	69-121/25
100 42 5	Styrene	50	55.5	111	57.5	115	4	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	58.8	118	57.7	115	2	32 153/25
637-92 3	tert Butyl Ethyl Ether	50	57.7	115	58.9	118	2	41 147/25
630-20 6	1,1,1,2-Tetrachloroethane	50	50.2	100	51.6	103	3	75-136/25
79-34 5	1,1,2,2-Tetrachloroethane	50	51.8	104	50.6	101	2	66 134/25
127 18 4	Tetrachloroethene	50	48.9	98	51.7	103	6	76 125/25
109-99 9	Tetrahydrofuran	50	62.7	125	57.4	115	9	34-177/25
108-88-3	Toluene	50	53.4	107	54.8	110	3	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	51.9	104	54.9	110	6	52 146/25
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	57.0	114	9	66 133/25
71-55 6	1,1,1-Trichloroethane	50	55.3	111	57.5	115	4	70 130/25
79-00-5	1,1,2-Trichloroethane	50	54.4	109	53.1	106	2	75-124/25
79-01-6	Trichloroethene	50	52.9	106	53.9	108	2	74 127/25
75-69-4	Trichlorofluoromethane	50	55.5	111	58.3	117	5	48-156/25
96-18-4	1,2,3-Trichloropropane	50	53.6	107	52.7	105	2	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	55.7	111	59.6	119	7	69-119/25
108 67 8	1,3,5 Trimethylbenzene	50	55.0	110	58.9	118	7	69-123/25
75-01-4	Vinyl chloride	50	52.6	105	55.4	111	5	33-166/25
	m,p Xylene	100	107	107	112	112	5	78 122/25
95 47 6	o Xylene	50	55.2	110	57.7	115	4	77 123/25
1330 20 7	Xylene (total)	150	162	108	170	113	5	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3003 BS	M83301.D	1	03/31/17	DRY	n/a	n/a	MSM3003
MSM3003 BSD	M83302.D	1	03/31/17	DRY	n/a	n/a	MSM3003

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-56, MC49976-60, MC49976-72

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	103%	65-141%
2037-26-5	Toluene-D8	103%	103%	65-129%
460-00-4	4-Bromofluorobenzene	101%	101%	63-137%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-BS	M83327.D	1	04/03/17	DRY	n/a	n/a	MSM3004
MSM3004-BSD	M83328.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-64, MC49976-68, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	69.1	138	60.1	120	14	24-179/25
71-43-2	Benzene	50	53.8	108	53.5	107	1	73-115/25
108-86-1	Bromobenzene	50	47.2	94	49.1	98	4	76-121/25
74-97-5	Bromochloromethane	50	53.8	108	52.7	105	2	76-129/25
75-27-4	Bromodichloromethane	50	55.2	110	54.7	109	1	76-122/25
75-25-2	Bromoform	50	48.6	97	49.3	99	1	67-151/25
74-83-9	Bromomethane	50	47.0	94	45.9	92	2	52-139/25
78-93-3	2-Butanone (MEK)	50	71.6	143	60.4	121	17	32-151/25
104-51-8	n-Butylbenzene	50	57.9	116	58.8	118	2	71-124/25
135-98-8	sec-Butylbenzene	50	54.5	109	55.9	112	3	71-124/25
98-06-6	tert-Butylbenzene	50	45.6	91	45.9	92	1	66-125/25
75-15-0	Carbon disulfide	50	51.2	102	48.4	97	6	57-143/25
56-23-5	Carbon tetrachloride	50	54.2	108	51.4	103	5	73-129/25
108-90-7	Chlorobenzene	50	45.4	91	47.0	94	3	79-123/25
75-00-3	Chloroethane	50	49.4	99	46.7	93	6	51-159/25
67-66-3	Chloroform	50	58.2	116	56.9	114	2	72-122/25
74-87-3	Chloromethane	50	50.4	101	47.5	95	6	57-143/25
95-49-8	o-Chlorotoluene	50	53.6	107	55.4	111	3	68-121/25
106-43-4	p-Chlorotoluene	50	52.4	105	54.8	110	4	68-119/25
108-20-3	Di-Isopropyl ether	50	59.1	118	57.3	115	3	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	51.7	103	52.3	105	1	52-132/25
124-48-1	Dibromochloromethane	50	44.9	90	46.4	93	3	74-139/25
106-93-4	1,2-Dibromoethane	50	45.6	91	47.2	94	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	49.3	99	50.2	100	2	73-122/25
541-73-1	1,3-Dichlorobenzene	50	49.1	98	50.4	101	3	74-119/25
106-46-7	1,4-Dichlorobenzene	50	48.0	96	49.9	100	4	75-118/25
75-71-8	Dichlorodifluoromethane	50	43.1	86	38.1	76	12	11-183/25
75-34-3	1,1-Dichloroethane	50	57.8	116	56.1	112	3	70-128/25
107-06-2	1,2-Dichloroethane	50	56.2	112	54.9	110	2	70-126/25
75-35-4	1,1-Dichloroethene	50	55.2	110	53.3	107	4	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	56.9	114	55.8	112	2	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	57.0	114	54.5	109	4	71-131/25
78-87-5	1,2-Dichloropropane	50	54.7	109	54.8	110	0	79-124/25
142-28-9	1,3-Dichloropropane	50	50.1	100	51.3	103	2	78-128/25
594-20-7	2,2-Dichloropropane	50	56.2	112	54.2	108	4	54-145/25
563-58-6	1,1-Dichloropropene	50	56.8	114	55.8	112	2	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-BS	M83327.D	1	04/03/17	DRY	n/a	n/a	MSM3004
MSM3004 BSD	M83328.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976 64, MC49976 68, MC49976 76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061 01 5	cis 1,3 Dichloropropene	50	54.5	109	56.1	112	3	75 126/25
10061 02 6	trans 1,3 Dichloropropene	50	55.9	112	58.0	116	4	75-128/25
123-91-1	1,4-Dioxane	250	241	96	238	95	1	48-156/25
60-29-7	Ethyl Ether	50	57.7	115	56.3	113	2	68-141/25
100-41-4	Ethylbenzene	50	50.2	100	51.5	103	3	76-122/25
87-68-3	Hexachlorobutadiene	50	52.4	105	52.1	104	1	73-137/25
591-78-6	2-Hexanone	50	52.1	104	49.3	99	6	26-169/25
98-82-8	Isopropylbenzene	50	53.3	107	54.8	110	3	69-124/25
99-87-6	p-Isopropyltoluene	50	54.3	109	55.5	111	2	73-124/25
1634 04 4	Methyl Tert Butyl Ether	50	58.6	117	56.7	113	3	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	56.9	114	54.9	110	4	43 166/25
74-95-3	Methylene bromide	50	54.5	109	53.6	107	2	76 125/25
75-09-2	Methylene chloride	50	56.3	113	53.7	107	5	74 125/25
91-20-3	Naphthalene	50	52.2	104	52.2	104	0	39-158/25
103-65-1	n-Propylbenzene	50	55.1	110	56.7	113	3	69-121/25
100-42-5	Styrene	50	52.8	106	54.1	108	2	79-124/25
994 05 8	tert-Amyl Methyl Ether	50	57.7	115	56.1	112	3	32 153/25
637-92-3	tert-Butyl Ethyl Ether	50	57.0	114	56.5	113	1	41 147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	46.3	93	46.1	92	0	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	51.1	102	52.5	105	3	66 134/25
127-18-4	Tetrachloroethene	50	44.6	89	45.9	92	3	76 125/25
109-99-9	Tetrahydrofuran	50	56.5	113	56.0	112	1	34 177/25
108-88-3	Toluene	50	53.2	106	54.0	108	1	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	50.7	101	49.8	100	2	52 146/25
120-82-1	1,2,4-Trichlorobenzene	50	49.8	100	50.1	100	1	66 133/25
71-55-6	1,1,1-Trichloroethane	50	56.7	113	54.0	108	5	70-130/25
79 00-5	1,1,2-Trichloroethane	50	54.4	109	54.9	110	1	75-124/25
79 01 6	Trichloroethene	50	51.6	103	51.7	103	0	74 127/25
75-69-4	Trichlorofluoromethane	50	56.1	112	52.3	105	7	48-156/25
96-18-4	1,2,3-Trichloropropane	50	51.5	103	53.7	107	4	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	55.3	111	56.5	113	2	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	54.8	110	56.4	113	3	69-123/25
75 01 4	Vinyl chloride	50	56.5	113	52.4	105	8	33-166/25
	m,p-Xylene	100	100	100	104	104	4	78-122/25
95-47-6	o-Xylene	50	52.3	105	53.0	106	1	77 123/25
1330-20-7	Xylene (total)	150	153	102	157	105	3	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3004-BS	M83327.D	1	04/03/17	DRY	n/a	n/a	MSM3004
MSM3004 BSD	M83328.D	1	04/03/17	DRY	n/a	n/a	MSM3004

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976 64, MC49976 68, MC49976 76

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	111%	107%	65-141%
2037-26-5	Toluene-D8	105%	104%	65-129%
460-00-4	4-Bromofluorobenzene	99%	103%	63-137%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-BS	M83350.D	1	04/04/17	DRY	n/a	n/a	MSM3005
MSM3005-BSD	M83351.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	71.7	143	74.4	149	4	24-179/25
71-43-2	Benzene	50	55.9	112	47.6	95	16	73-115/25
108-86-1	Bromobenzene	50	51.6	103	43.2	86	18	76-121/25
74-97-5	Bromochloromethane	50	54.5	109	46.5	93	16	76-129/25
75-27-4	Bromodichloromethane	50	57.3	115	48.3	97	17	76-122/25
75-25-2	Bromoform	50	48.9	98	42.7	85	14	67-151/25
74-83-9	Bromomethane	50	52.4	105	38.3	77	31* a	52-139/25
78-93-3	2-Butanone (MEK)	50	74.2	148	74.5	149	0	32-151/25
104-51-8	n-Butylbenzene	50	62.0	124	53.5	107	15	71-124/25
135-98-8	sec-Butylbenzene	50	58.0	116	49.4	99	16	71-124/25
98-06-6	tert-Butylbenzene	50	56.8	114	47.8	96	17	66-125/25
75-15-0	Carbon disulfide	50	48.2	96	40.4	81	18	57-143/25
56-23-5	Carbon tetrachloride	50	54.6	109	46.6	93	16	73-129/25
108-90-7	Chlorobenzene	50	48.4	97	41.5	83	15	79-123/25
75-00-3	Chloroethane	50	53.7	107	44.9	90	18	51-159/25
67-66-3	Chloroform	50	59.7	119	50.5	101	17	72-122/25
74-87-3	Chloromethane	50	45.8	92	35.7	71	25	57-143/25
95-49-8	o-Chlorotoluene	50	58.4	117	49.3	99	17	68-121/25
106-43-4	p-Chlorotoluene	50	57.7	115	49.3	99	16	68-119/25
108-20-3	Di-Isopropyl ether	50	59.5	119	50.2	100	17	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	51.6	103	45.6	91	12	52-132/25
124-48-1	Dibromochloromethane	50	46.7	93	40.2	80	15	74-139/25
106-93-4	1,2-Dibromoethane	50	46.4	93	41.0	82	12	76-130/25
95-50-1	1,2-Dichlorobenzene	50	52.6	105	44.7	89	16	73-122/25
541-73-1	1,3-Dichlorobenzene	50	53.4	107	45.9	92	15	74-119/25
106-46-7	1,4-Dichlorobenzene	50	52.0	104	45.0	90	14	75-118/25
75-71-8	Dichlorodifluoromethane	50	33.2	66	24.0	48	32* a	11-183/25
75-34-3	1,1-Dichloroethane	50	59.3	119	49.9	100	17	70-128/25
107-06-2	1,2-Dichloroethane	50	57.7	115	48.6	97	17	70-126/25
75-35-4	1,1-Dichloroethene	50	54.0	108	46.0	92	16	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	57.7	115	48.8	98	17	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	56.8	114	48.4	97	16	71-131/25
78-87-5	1,2-Dichloropropane	50	57.1	114	48.1	96	17	79-124/25
142-28-9	1,3-Dichloropropane	50	51.7	103	44.6	89	15	78-128/25
594-20-7	2,2-Dichloropropane	50	60.2	120	51.7	103	15	54-145/25
563-58-6	1,1-Dichloropropene	50	58.6	117	50.2	100	15	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-BS	M83350.D	1	04/04/17	DRY	n/a	n/a	MSM3005
MSM3005-BSD	M83351.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	58.2	116	49.6	99	16	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	60.3	121	50.6	101	17	75-128/25
123-91-1	1,4-Dioxane	250	268	107	252	101	6	48-156/25
60-29-7	Ethyl Ether	50	57.3	115	49.5	99	15	68-141/25
100-41-4	Ethylbenzene	50	53.3	107	45.5	91	16	76-122/25
87-68-3	Hexachlorobutadiene	50	55.4	111	47.9	96	15	73-137/25
591-78-6	2-Hexanone	50	52.7	105	53.1	106	1	26-169/25
98-82-8	Isopropylbenzene	50	57.1	114	48.1	96	17	69-124/25
99-87-6	p-Isopropyltoluene	50	57.9	116	49.5	99	16	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	57.9	116	49.6	99	15	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	55.6	111	50.0	100	11	43-166/25
74-95-3	Methylene bromide	50	55.1	110	47.6	95	15	76-125/25
75-09-2	Methylene chloride	50	56.1	112	48.3	97	15	74-125/25
91-20-3	Naphthalene	50	52.3	105	45.8	92	13	39-158/25
103-65-1	n-Propylbenzene	50	59.1	118	50.6	101	15	69-121/25
100-42-5	Styrene	50	56.0	112	47.7	95	16	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	58.6	117	50.2	100	15	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	58.3	117	49.3	99	17	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	48.3	97	40.8	82	17	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	52.4	105	45.6	91	14	66-134/25
127-18-4	Tetrachloroethene	50	47.3	95	41.2	82	14	76-125/25
109-99-9	Tetrahydrofuran	50	55.3	111	49.7	99	11	34-177/25
108-88-3	Toluene	50	56.4	113	48.1	96	16	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	52.4	105	45.7	91	14	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	52.4	105	46.1	92	13	66-133/25
71-55-6	1,1,1-Trichloroethane	50	57.8	116	48.9	98	17	70-130/25
79-00-5	1,1,2-Trichloroethane	50	56.4	113	48.1	96	16	75-124/25
79-01-6	Trichloroethene	50	53.7	107	45.9	92	16	74-127/25
75-69-4	Trichlorofluoromethane	50	53.7	107	44.8	90	18	48-156/25
96-18-4	1,2,3-Trichloropropane	50	54.5	109	46.6	93	16	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	59.5	119	50.2	100	17	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	58.6	117	49.5	99	17	69-123/25
75-01-4	Vinyl chloride	50	51.6	103	41.6	83	21	33-166/25
	m,p-Xylene	100	107	107	92.4	92	15	78-122/25
95-47-6	o-Xylene	50	54.9	110	46.7	93	16	77-123/25
1330-20-7	Xylene (total)	150	162	108	139	93	15	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3005-BS	M83350.D	1	04/04/17	DRY	n/a	n/a	MSM3005
MSM3005-BSD	M83351.D	1	04/04/17	DRY	n/a	n/a	MSM3005

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-24

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	107%	107%	65-141%
2037-26-5	Toluene-D8	104%	104%	65-129%
460-00-4	4-Bromofluorobenzene	100%	102%	63-137%

(a) Outside control limits. Individual spike recoveries within acceptance limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-BS	M83409.D	1	04/06/17	DRY	n/a	n/a	MSM3006
MSM3006-BSD	M83410.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976 52

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	66.7	133	60.1	120	10	24-179/25
71-43-2	Benzene	50	50.7	101	50.5	101	0	73-115/25
108-86-1	Bromobenzene	50	50.8	102	49.8	100	2	76-121/25
74-97-5	Bromochloromethane	50	51.5	103	51.9	104	1	76-129/25
75-27-4	Bromodichloromethane	50	49.1	98	48.4	97	1	76-122/25
75-25-2	Bromoform	50	54.8	110	52.0	104	5	67-151/25
74-83-9	Bromomethane	50	48.9	98	51.0	102	4	52-139/25
78-93-3	2-Butanone (MEK)	50	69.4	139	66.2	132	5	32-151/25
104-51-8	n-Butylbenzene	50	54.9	110	53.0	106	4	71-124/25
135-98-8	sec-Butylbenzene	50	52.8	106	52.3	105	1	71-124/25
98-06-6	tert-Butylbenzene	50	46.7	93	53.6	107	14	66-125/25
75-15-0	Carbon disulfide	50	50.5	101	51.8	104	3	57-143/25
56-23-5	Carbon tetrachloride	50	49.9	100	49.7	99	0	73-129/25
108-90-7	Chlorobenzene	50	52.6	105	51.4	103	2	79-123/25
75-00-3	Chloroethane	50	51.8	104	54.4	109	5	51-159/25
67-66-3	Chloroform	50	47.6	95	47.7	95	0	72-122/25
74-87-3	Chloromethane	50	47.1	94	49.4	99	5	57-143/25
95-49-8	o-Chlorotoluene	50	51.2	102	50.3	101	2	68-121/25
106-43-4	p-Chlorotoluene	50	51.1	102	50.5	101	1	68-119/25
108-20-3	Di-Isopropyl ether	50	50.2	100	51.1	102	2	63-142/25
96-12-8	1,2-Dibromo-3-chloropropane	50	49.5	99	47.4	95	4	52-132/25
124-48-1	Dibromochloromethane	50	53.6	107	52.3	105	2	74-139/25
106-93-4	1,2-Dibromoethane	50	51.8	104	50.4	101	3	76-130/25
95-50-1	1,2-Dichlorobenzene	50	50.8	102	50.3	101	1	73-122/25
541-73-1	1,3-Dichlorobenzene	50	52.4	105	50.9	102	3	74-119/25
106-46-7	1,4-Dichlorobenzene	50	51.9	104	50.4	101	3	75-118/25
75-71-8	Dichlorodifluoromethane	50	45.3	91	47.5	95	5	11-183/25
75-34-3	1,1-Dichloroethane	50	49.3	99	50.1	100	2	70-128/25
107-06-2	1,2-Dichloroethane	50	46.5	93	45.4	91	2	70-126/25
75-35-4	1,1-Dichloroethene	50	50.7	101	51.6	103	2	71-136/25
156-59-2	cis-1,2-Dichloroethene	50	50.0	100	50.7	101	1	78-128/25
156-60-5	trans-1,2-Dichloroethene	50	50.2	100	51.0	102	2	71-131/25
78-87-5	1,2-Dichloropropane	50	50.2	100	50.5	101	1	79-124/25
142-28-9	1,3-Dichloropropane	50	50.1	100	48.9	98	2	78-128/25
594-20-7	2,2-Dichloropropane	50	50.7	101	51.5	103	2	54-145/25
563-58-6	1,1-Dichloropropene	50	51.2	102	50.5	101	1	67-125/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-BS	M83409.D	1	04/06/17	DRY	n/a	n/a	MSM3006
MSM3006-BSD	M83410.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-52

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	51.0	102	50.6	101	1	75-126/25
10061-02-6	trans-1,3-Dichloropropene	50	52.4	105	50.5	101	4	75-128/25
123-91-1	1,4-Dioxane	250	322	129	295	118	9	48-156/25
60-29-7	Ethyl Ether	50	50.0	100	50.1	100	0	68-141/25
100-41-4	Ethylbenzene	50	51.7	103	51.0	102	1	76-122/25
87-68-3	Hexachlorobutadiene	50	53.5	107	52.9	106	1	73-137/25
591-78-6	2-Hexanone	50	58.0	116	50.0	100	15	26-169/25
98-82-8	Isopropylbenzene	50	52.4	105	52.0	104	1	69-124/25
99-87-6	p-Isopropyltoluene	50	54.3	109	53.2	106	2	73-124/25
1634-04-4	Methyl Tert Butyl Ether	50	48.3	97	48.6	97	1	58-133/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.9	106	47.9	96	10	43-166/25
74-95-3	Methylene bromide	50	49.6	99	48.6	97	2	76-125/25
75-09-2	Methylene chloride	50	48.8	98	50.5	101	3	74-125/25
91-20-3	Naphthalene	50	53.4	107	51.6	103	3	39-158/25
103-65-1	n-Propylbenzene	50	53.0	106	51.4	103	3	69-121/25
100-42-5	Styrene	50	53.6	107	52.6	105	2	79-124/25
994-05-8	tert-Amyl Methyl Ether	50	49.4	99	48.4	97	2	32-153/25
637-92-3	tert-Butyl Ethyl Ether	50	49.0	98	49.7	99	1	41-147/25
630-20-6	1,1,1,2-Tetrachloroethane	50	52.5	105	52.5	105	0	75-136/25
79-34-5	1,1,2,2-Tetrachloroethane	50	52.1	104	49.6	99	5	66-134/25
127-18-4	Tetrachloroethene	50	52.3	105	51.4	103	2	76-125/25
109-99-9	Tetrahydrofuran	50	52.5	105	47.9	96	9	34-177/25
108-88-3	Toluene	50	49.8	100	49.8	100	0	76-119/25
87-61-6	1,2,3-Trichlorobenzene	50	52.9	106	52.4	105	1	52-146/25
120-82-1	1,2,4-Trichlorobenzene	50	55.4	111	54.5	109	2	66-133/25
71-55-6	1,1,1-Trichloroethane	50	48.1	96	49.1	98	2	70-130/25
79-00-5	1,1,2-Trichloroethane	50	47.7	95	47.7	95	0	75-124/25
79-01-6	Trichloroethene	50	49.7	99	48.8	98	2	74-127/25
75-69-4	Trichlorofluoromethane	50	47.8	96	48.5	97	1	48-156/25
96-18-4	1,2,3-Trichloropropane	50	49.0	98	46.7	93	5	65-130/25
95-63-6	1,2,4-Trimethylbenzene	50	52.9	106	52.1	104	2	69-119/25
108-67-8	1,3,5-Trimethylbenzene	50	52.1	104	51.5	103	1	69-123/25
75-01-4	Vinyl chloride	50	47.8	96	50.4	101	5	33-166/25
	m,p-Xylene	100	107	107	104	104	3	78-122/25
95-47-6	o-Xylene	50	52.7	105	52.4	105	1	77-123/25
1330-20-7	Xylene (total)	150	159	106	156	104	2	78-122/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM3006-BS	M83409.D	1	04/06/17	DRY	n/a	n/a	MSM3006
MSM3006-BSD	M83410.D	1	04/06/17	DRY	n/a	n/a	MSM3006

The QC reported here applies to the following samples: Method: SW846 8260C

MC49976-52

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	98%	65-141%
2037-26-5	Toluene-D8	100%	101%	65-129%
460-00-4	4-Bromofluorobenzene	99%	99%	63-137%

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3002-CC2992	Injection Date:	03/30/17
Lab File ID:	M83282.D	Injection Time:	09:27
Instrument ID:	GCMSM	Method:	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	86359	9.77	130689	10.67	63493	13.90	80581	16.48	38876	7.70
Upper Limit [a]	172718	10.27	261378	11.17	126986	14.40	161162	16.98	77752	8.20
Lower Limit [b]	43180	9.27	65345	10.17	31747	13.40	40291	15.98	19438	7.20
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM3002-BS	79529	9.77	119259	10.67	58487	13.90	75160	16.48	38921	7.69
MSM3002-BSD	83620	9.77	125065	10.66	61183	13.89	78439	16.48	36539	7.68
MSM3002-MB	64456	9.77	101085	10.66	50463	13.90	61261	16.48	27406	7.67
ZZZZZZ	60042	9.77	93982	10.67	46256	13.90	56294	16.49	46850	7.68
MC49976-4	53371	9.77	82431	10.67	40200	13.90	40883	16.49	19362[c]	7.68
MC49976-8	53406	9.77	84723	10.67	40619	13.90	38570[d]	16.48	22431	7.67
MC49976-12	47764	9.77	73043	10.67	36122	13.90	31384[d]	16.48	16477[c]	7.67
MC49976-16 [e]	39503[d]	9.77	59311[d]	10.66	30402[d]	13.90	31621[d]	16.48	18505[c]	7.66
MC49976-20	46672	9.77	74132	10.66	41709	13.90	47490	16.48	20577	7.67
MC49976-16	49221	9.77	74430	10.67	37766	13.90	40177[d]	16.48	20108	7.67
MC49976-12 [e]	45432	9.77	70627	10.66	36980	13.89	34778[d]	16.48	17532[c]	7.67
MC49976-8 [e]	47194	9.77	72799	10.66	34908	13.90	29675[d]	16.48	16976[c]	7.67

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.
(d) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(e) Confirmation run.

Volatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3003-CC2992	Injection Date:	03/31/17
Lab File ID:	M83300.D	Injection Time:	10:10
Instrument ID:	GCMSM	Method:	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	68864	9.77	103773	10.67	52386	13.89	69532	16.48	32823	7.68
Upper Limit [a]	137728	10.27	207546	11.17	104772	14.39	139064	16.98	65646	8.18
Lower Limit [b]	34432	9.27	51887	10.17	26193	13.39	34766	15.98	16412	7.18
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM3003-BS	79226	9.77	118250	10.67	59152	13.89	76051	16.49	43019	7.71
MSM3003-BSD	78217	9.77	117769	10.67	58281	13.90	74154	16.48	36025	7.68
MSM3003-MB	53126	9.77	83664	10.66	42880	13.89	50647	16.48	25447	7.67
MC49976-28	56361	9.77	88420	10.67	43903	13.90	45845	16.48	23831	7.67
MC49976-32	46273	9.77	71356	10.66	35864	13.90	35466	16.48	20227	7.67
MC49976-36	48314	9.77	75865	10.67	38310	13.89	38188	16.48	19074	7.67
MC49976-40	46197	9.77	72666	10.67	37176	13.89	38120	16.48	18431	7.66
MC49976-44 [c]	47495	9.77	73074	10.67	36694	13.89	31565[d]	16.48	15295[e]	7.67
MC49976-48	38352	9.77	57572	10.67	28289	13.89	24915[d]	16.48	16541	7.67
MC49976-56	44271	9.77	70873	10.67	36653	13.90	35103	16.48	16225[e]	7.67
MC49976-60	38002	9.77	58538	10.67	29918	13.90	25714[d]	16.48	15875[e]	7.67
MC49976-44	44890	9.77	70331	10.67	37159	13.90	36456	16.48	17424	7.67
MC49976-48 [c]	38587	9.77	59308	10.67	29867	13.89	27583[d]	16.48	15316[e]	7.67
MC49976-56 [c]	10647[d]	9.77	14119[d]	10.66	8419[d]	13.90	7469[d]	16.48	4877[e]	7.66
MC49976-60 [c]	35525	9.77	55909	10.67	28738	13.90	21820[d]	16.48	11394[e]	7.67
MC49976-72 [c]	5943[d]	9.76	7929[d]	10.66	4765[d]	13.90	4307[d]	16.48	3248[e]	7.66
MC49976-72	34704	9.77	53853	10.67	28509	13.89	22626[d]	16.48	12600[e]	7.67

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Confirmation run.
(d) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(e) Outside control limits. Target analytes not associated with this internal standard.

Volatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std: MSM3004 CC2992 Injection Date: 04/03/17
Lab File ID: M83326.D Injection Time: 13:20
Instrument ID: GCMSM Method: SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	52792	9.77	83286	10.67	44044	13.89	54457	16.48	27529	7.68
Upper Limit [a]	105584	10.27	166572	11.17	88088	14.39	108914	16.98	55058	8.18
Lower Limit [b]	26396	9.27	41643	10.17	22022	13.39	27229	15.98	13765	7.18
MSM3004-BS	54624	9.77	85150	10.67	44636	13.89	55953	16.48	28182	7.69
MSM3004-BSD	59816	9.77	93728	10.67	47988	13.90	58391	16.48	28611	7.68
MSM3004-MB	43217	9.77	70730	10.67	37357	13.89	41496	16.48	21207	7.68
ZZZZZZ	38146	9.77	61705	10.67	32793	13.90	37406	16.48	19329	7.68
ZZZZZZ	36554	9.77	60193	10.67	32753	13.89	35280	16.48	18255	7.67
ZZZZZZ	34444	9.77	56168	10.67	30939	13.89	33551	16.48	18063	7.68
ZZZZZZ	33975	9.77	56006	10.67	29151	13.89	25763[c]	16.48	14512	7.68
ZZZZZZ	30777	9.77	49685	10.67	26594	13.89	24921[c]	16.48	14743	7.68
MC49976-64	28708	9.77	45824	10.67	22443	13.90	10923[c]	16.48	12119[c]	7.68
MC49976-68	29764	9.77	47122	10.67	23303	13.89	15970[c]	16.48	13318[c]	7.68
MC49976-76	32610	9.77	54038	10.67	29629	13.90	29895	16.48	14841	7.67
MC49976-64 [d]	25608[c]	9.77	40674[c]	10.66	19673[c]	13.89	9626[c]	16.48	10753[c]	7.67
MC49976-68 [d]	25195[c]	9.77	39779[c]	10.67	20830[c]	13.90	15848[c]	16.48	10860[c]	7.67
MC49976-76 [d]	33392	9.77	56315	10.67	31138	13.89	32646	16.48	13554[e]	7.68

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.
(d) Confirmation run.
(e) Outside control limits. Target analytes not associated with this internal standard.

Volatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std: MSM3005-CC2992 Injection Date: 04/04/17
Lab File ID: M83349.D Injection Time: 13:28
Instrument ID: GCMSM Method: SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	68295	9.77	106759	10.67	56890	13.89	70048	16.48	34198	7.69
Upper Limit [a]	136590	10.27	213518	11.17	113780	14.39	140096	16.98	68396	8.19
Lower Limit [b]	34148	9.27	53380	10.17	28445	13.39	35024	15.98	17099	7.19
MSM3005-BS	71807	9.77	111409	10.66	57943	13.89	70790	16.48	32942	7.70
MSM3005-BSD	75397	9.77	116421	10.67	60079	13.89	74091	16.48	37478	7.69
MSM3005-MB	51434	9.77	83688	10.67	44591	13.89	50099	16.48	26970	7.68
MC49976-24	45837	9.77	74053	10.67	39205	13.90	40313	16.49	24811	7.68
ZZZZZZ	46211	9.77	74078	10.67	35424	13.90	27605[c]	16.49	12704*	7.68
ZZZZZZ	49699	9.77	78486	10.67	42816	13.89	48448	16.48	24260	7.68
ZZZZZZ	30365[c]	9.77	45552[c]	10.67	14322[c]	13.90	5427[c]	16.48	10967[c]	7.68
ZZZZZZ	45794	9.77	72806	10.67	34368	13.89	27535[c]	16.48	13702[c]	7.68
ZZZZZZ	36905	9.77	57555	10.67	28405[c]	13.89	20832[c]	16.48	14501[c]	7.67
ZZZZZZ	26052[c]	9.77	40052[c]	10.67	13800[c]	13.89	6014[c]	16.48	14159[c]	7.68
ZZZZZZ	31899[c]	9.77	51797[c]	10.67	25337[c]	13.89	18788[c]	16.48	12942[c]	7.68

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSM3006-ICC3006	Injection Date:	04/06/17
Lab File ID:	M83403.D	Injection Time:	14:53
Instrument ID:	GCMSM	Method:	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	159012	9.77	224391	10.66	118925	13.90	132694	16.48	64229	7.68
Upper Limit [a]	318024	10.27	448782	11.16	237850	14.40	265388	16.98	128458	8.18
Lower Limit [b]	79506	9.27	112196	10.16	59463	13.40	66347	15.98	32115	7.18
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM3006-BS	190490	9.77	266298	10.67	137984	13.90	156692	16.49	91211	7.71
MSM3006-BSD	181730	9.77	257536	10.66	134455	13.89	153450	16.48	77842	7.68
MSM3006-MB	164851	9.77	227867	10.66	120822	13.90	135330	16.48	78948	7.67
MC49976-52	152822	9.77	208326	10.66	100483	13.90	74377	16.48	68587	7.67

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8260C Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC49976-4	M83289.D	131	103	107
MC49976-8	M83297.D	130	103	121
MC49976-8	M83290.D	131	103	111
MC49976-12	M83296.D	133	111	121
MC49976-12	M83291.D	133	104	124
MC49976-16	M83295.D	128	106	102
MC49976-16	M83292.D	136	106	101
MC49976-20	M83293.D	136	114	107
MC49976 24	M83354.D	141	108	102
MC49976-28	M83305.D	127	104	106
MC49976-32	M83306.D	134	107	106
MC49976 36	M83307.D	138	107	108
MC49976-40	M83308.D	138	106	103
MC49976-44	M83309.D	136	108	117
MC49976-44	M83314.D	147* [a]	110	103
MC49976-48	M83315.D	150* [b]	109	105
MC49976-48	M83310.D	142* [b]	106	112
MC49976-52	M83413.D	97	99	127
MC49976-56	M83317.D	173* [b]	114	103
MC49976-56	M83312.D	147* [b]	107	112
MC49976 60	M83313.D	151* [b]	111	116
MC49976 60	M83318.D	167* [b]	111	119
MC49976 64	M83341.D	171* [b]	113	168* [b]
MC49976 64	M83337.D	167* [b]	113	168* [b]
MC49976 68	M83342.D	165* [b]	112	116
MC49976 68	M83338.D	156* [b]	109	128
MC49976 72	M83320.D	170* [b]	114	113
MC49976-72	M83319.D	169* [b]	110	100
MC49976-76	M83343.D	157* [b]	111	103
MC49976 76	M83339.D	156* [b]	112	103
MSM3002-BS	M83283.D	104	102	99
MSM3002-BSD	M83284.D	101	102	100
MSM3002-MB	M83286.D	121	103	98
MSM3003-BS	M83301.D	104	103	101
MSM3003-BSD	M83302.D	103	103	101
MSM3003-MB	M83304.D	130	104	98
MSM3004-BS	M83327.D	111	105	99
MSM3004 BSD	M83328.D	107	104	103
MSM3004-MB	M83330.D	136	107	102
MSM3005-BS	M83350.D	107	104	100

Volatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8260C	Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MSM3005 BSD	M83351.D	107	104	102
MSM3005 MB	M83353.D	138	108	100
MSM3006 BS	M83409.D	97	100	99
MSM3006 BSD	M83410.D	98	101	99
MSM3006 MB	M83412.D	100	101	100

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	65-141%
S2 = Toluene D8	65-129%
S3 = 4-Bromofluorobenzene	63-137%

(a) Outside control limits due to possible matrix interference.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564-MB	R51600.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

The QC reported here applies to the following samples: Method: SW846 8270D

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic acid	ND	500	ug/kg	
95-57-8	2-Chlorophenol	ND	250	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	500	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	500	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	500	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	500	ug/kg	
95-48-7	2-Methylphenol	ND	500	ug/kg	
	3&4-Methylphenol	ND	500	ug/kg	
88-75-5	2-Nitrophenol	ND	500	ug/kg	
100-02-7	4-Nitrophenol	ND	500	ug/kg	
87-86-5	Pentachlorophenol	ND	500	ug/kg	
108-95-2	Phenol	ND	250	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	500	ug/kg	
88 06-2	2,4,6-Trichlorophenol	ND	500	ug/kg	
83-32-9	Acenaphthene	ND	100	ug/kg	
208-96-8	Acenaphthylene	ND	100	ug/kg	
98-86-2	Acetophenone	ND	500	ug/kg	
62-53-3	Aniline	ND	500	ug/kg	
120-12-7	Anthracene	ND	100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	250	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	ug/kg	
191 24 2	Benzo(g,h,i)perylene	ND	100	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	250	ug/kg	
85 68-7	Butyl benzyl phthalate	ND	250	ug/kg	
91-58-7	2-Chloronaphthalene	ND	250	ug/kg	
106-47-8	4-Chloroaniline	ND	500	ug/kg	
218 01-9	Chrysene	ND	100	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	250	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	250	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	250	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	250	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	250	ug/kg	
541 73 1	1,3 Dichlorobenzene	ND	250	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	ug/kg	

7.1.1

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564-MB	R51600.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939

The QC reported here applies to the following samples: Method: SW846 8270D

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	500	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	500	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	ug/kg	
132-64-9	Dibenzofuran	ND	100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	250	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	250	ug/kg	
84-66-2	Diethyl phthalate	ND	250	ug/kg	
131-11 3	Dimethyl phthalate	ND	250	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	250	ug/kg	
206-44-0	Fluoranthene	ND	100	ug/kg	
86-73-7	Fluorene	ND	100	ug/kg	
118-74-1	Hexachlorobenzene	ND	250	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	ug/kg	
67 72 1	Hexachloroethane	ND	250	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	250	ug/kg	
78-59-1	Isophorone	ND	250	ug/kg	
91-57-6	2-Methylnaphthalene	ND	100	ug/kg	
91-20-3	Naphthalene	ND	100	ug/kg	
98-95-3	Nitrobenzene	ND	250	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	250	ug/kg	
86 30 6	N-Nitrosodiphenylamine	ND	250	ug/kg	
85-01-8	Phenanthrene	ND	100	ug/kg	
129-00-0	Pyrene	ND	100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367 12 4	2-Fluorophenol	70%	25 109%
4165-62-2	Phenol-d5	75%	29-113%
118-79-6	2,4,6-Tribromophenol	80%	20-141%
4165-60-0	Nitrobenzene-d5	66%	27-115%
321-60-8	2-Fluorobiphenyl	73%	34-118%
1718-51-0	Terphenyl-d14	93%	42-139%

7.1.1

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564 BS	R51601.D	1	04/04/17	DRY	03/31/17	OP49564	MSR1939
OP49564 BSD	R51602.D	1	04-04-17	DRY	03-31-17	OP49564	MSR1939

The QC reported here applies to the following samples Method: SW846 8270D

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	2500	1180	47	1210	48	3	10-136/30
95-57-8	2-Chlorophenol	2500	2060	82	1990	80	3	39-104/30
59-50-7	4-Chloro-3-methyl phenol	2500	2200	88	2190	88	0	51-110/30
120-83-2	2,4-Dichlorophenol	2500	2200	88	2250	90	2	47-109/30
105-67-9	2,4-Dimethylphenol	2500	2020	81	2030	81	0	43-105/30
51-28-5	2,4-Dinitrophenol	2500	1340	54	1430	57	6	10-130/30
95-48-7	2-Methylphenol	2500	2090	84	2060	82	1	40-105/30
	3&4-Methylphenol	5000	4110	82	4130	83	0	39-113/30
88-75-5	2-Nitrophenol	2500	2160	86	2160	86	0	41-112/30
100-02-7	4-Nitrophenol	2500	2120	85	2160	86	2	28-134/30
87-86-5	Pentachlorophenol	2500	2110	84	2190	88	4	22-123/30
108-95-2	Phenol	2500	2060	82	2030	81	1	40-107/30
95-95-4	2,4,5-Trichlorophenol	2500	2380	95	2370	95	0	54-115/30
88-06-2	2,4,6-Trichlorophenol	2500	2440	98	2400	96	2	51-110/30
83-32-9	Acenaphthene	2500	2330	93	2240	90	4	49-108/30
208-96-8	Acenaphthylene	2500	2270	91	2200	88	3	37-102/30
98-86-2	Acetophenone	2500	1950	78	1880	75	4	37-105/30
62-53-3	Aniline	2500	1430	57	1270	51	12	10-90/30
120-12-7	Anthracene	2500	2370	95	2370	95	0	54-111/30
56-55-3	Benzo(a)anthracene	2500	2480	99	2450	98	1	56-117/30
50-32-8	Benzo(a)pyrene	2500	2630	105	2600	104	1	57-117/30
205-99-2	Benzo(b)fluoranthene	2500	2570	103	2540	102	1	55-122/30
191-24-2	Benzo(g,h,i)perylene	2500	2590	104	2480	99	4	52-123/30
207-08-9	Benzo(k)fluoranthene	2500	2560	102	2460	98	4	54-117/30
101-55-3	4-Bromophenyl phenyl ether	2500	2470	99	2480	99	0	54-118/30
85-68-7	Butyl benzyl phthalate	2500	2780	111	2730	109	2	54-121/30
91-58-7	2-Chloronaphthalene	2500	2350	94	2280	91	3	46-114/30
106-47-8	4-Chloroaniline	2500	1180	47	1120	45	5	12-88/30
218-01-9	Chrysene	2500	2350	94	2340	94	0	56-114/30
111-91-1	bis(2-Chloroethoxy)methane	2500	2180	87	2100	84	4	41-106/30
111-44-4	bis(2-Chloroethyl)ether	2500	1980	79	1870	75	6	28-113/30
108-60-1	bis(2-Chloroisopropyl)ether	2500	2270	91	2160	86	5	30-132/30
95-50-1	1,2-Dichlorobenzene	2500	1960	78	1820	73	7	34-100/30
122-66-7	1,2-Diphenylhydrazine	2500	2430	97	2350	94	3	43-117/30
541-73-1	1,3-Dichlorobenzene	2500	1910	76	1790	72	6	35-99/30
106-46-7	1,4-Dichlorobenzene	2500	1870	75	1770	71	5	35-98/30

* = Outside of Control Limits.

SGS ACCUTEST

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49564 BS	R51601.D	1	04-04-17	DRY	03-31-17	OP49564	MSR1939
OP49564 BSD	R51602.D	1	04-04-17	DRY	03-31-17	OP49564	MSR1939

The QC reported here applies to the following samples: Method: SW846 8270D

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	2500	2620	105	2600	104	1	50-121/30
606-20-2	2,6-Dinitrotoluene	2500	2580	103	2470	99	4	52-115/30
91-94-1	3,3'-Dichlorobenzidine	2500	1880	75	1790	72	5	17-120/30
53-70-3	Dibenzo(a,h)anthracene	2500	2580	103	2570	103	0	54-121/30
132-64-9	Dibenzofuran	2500	2230	89	2200	88	1	52-109/30
84-74-2	Di-n-butyl phthalate	2500	2400	96	2390	96	0	55-113/30
117-84-0	Di-n-octyl phthalate	2500	2650	106	2600	104	2	53-126/30
84-66-2	Diethyl phthalate	2500	2440	98	2410	96	1	54-111/30
131-11-3	Dimethyl phthalate	2500	2470	99	2450	98	1	53-111/30
117-81-7	bis(2-Ethylhexyl)phthalate	2500	2830	113	2790	112	1	55-125/30
206-44-0	Fluoranthene	2500	2490	100	2500	100	0	55-116/30
86-73-7	Fluorene	2500	2480	99	2430	97	2	52-111/30
118-74-1	Hexachlorobenzene	2500	2430	97	2460	98	1	52-117/30
87-68-3	Hexachlorobutadiene	2500	2140	86	1980	79	8	36-108/30
77-47-4	Hexachlorocyclopentadiene	2500	1890	76	1720	69	9	10-99/30
67-72-1	Hexachloroethane	2500	1850	74	1720	69	7	33-100/30
193-39-5	Indeno(1,2,3-cd)pyrene	2500	2540	102	2530	101	0	55-120/30
78-59-1	Isophorone	2500	2250	90	2130	85	5	37-101/30
91-57-6	2-Methylnaphthalene	2500	2140	86	2030	81	5	38-114/30
91-20-3	Naphthalene	2500	2180	87	2070	83	5	27-128/30
98-95-3	Nitrobenzene	2500	2140	86	2020	81	6	33-108/30
621-64-7	N-Nitroso-di-n-propylamine	2500	2350	94	2210	88	6	37-112/30
86-30-6	N-Nitrosodiphenylamine	2500	2400	96	2380	95	1	47-114/30
85-01-8	Phenanthrene	2500	2430	97	2380	95	2	54-112/30
129-00-0	Pyrene	2500	2650	106	2560	102	3	54-118/30
120-82-1	1,2,4-Trichlorobenzene	2500	2150	86	2050	82	5	38-105/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	78%	73%	25-109%
4165-62-2	Phenol-d5	84%	82%	29-113%
118-79-6	2,4,6-Tribromophenol	91%	91%	20-141%
4165-60-0	Nitrobenzene-d5	76%	72%	27-115%
321-60-8	2-Fluorobiphenyl	83%	79%	34-118%
1718-51-0	Terphenyl-d14	93%	91%	42-139%

* = Outside of Control Limits.

SGS ACCUTEST

Semivolatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSR1939 CC1934	Injection Date:	04/04/17
Lab File ID:	R51598.D	Injection Time:	17:54
Instrument ID:	GCMSR	Method:	SW846 8270D

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	403049	4.37	1540472	5.44	916341	6.98	1737301	8.27	1789814	11.47	1633999	14.78
Upper Limit [a]	806098	4.87	3080944	5.94	1832682	7.48	3474602	8.77	3579628	11.97	3267998	15.28
Lower Limit [b]	201525	3.87	770236	4.94	458171	6.48	868651	7.77	894907	10.97	817000	14.28
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP49564-MB	444054	4.37	1700875	5.44	999418	6.97	1874111	8.27	1761066	11.47	1497062	14.78
OP49564 BS	437654	4.37	1673714	5.44	966786	6.97	1839038	8.27	1746130	11.47	1498119	14.77
OP49564 BSD	425431	4.38	1638287	5.44	957764	6.98	1830116	8.27	1811471	11.47	1573921	14.78
MC49976-4	463291	4.37	1779260	5.44	1039947	6.97	1933880	8.27	1926872	11.49	1826078	14.80
MC49976-8	432892	4.38	1691885	5.44	972405	6.97	1816437	8.27	1739109	11.47	1600274	14.78
MC49976-12	440575	4.38	1670957	5.44	993576	6.97	1832463	8.27	1738188	11.47	1629051	14.78
MC49976-16	415765	4.38	1603932	5.44	939569	6.98	1763146	8.27	1706557	11.49	1618399	14.80
MC49976-20	414944	4.38	1582098	5.44	919254	6.97	1741530	8.27	1687248	11.47	1586010	14.78
MC49976-24	437297	4.38	1682265	5.44	993632	6.98	1869573	8.27	1840797	11.49	1788791	14.82
MC49976-28	392113	4.38	1502184	5.44	889147	6.98	1690190	8.27	1677478	11.47	1577555	14.78
MC49976 32	466403	4.38	1761829	5.44	1036293	6.98	1942895	8.27	1868170	11.47	1778656	14.78
MC49976-36	440459	4.38	1695048	5.44	993996	6.97	1852432	8.27	1725158	11.47	1644091	14.78
MC49976-40	383707	4.38	1465845	5.44	853728	6.97	1657693	8.27	1673784	11.47	1581800	14.78
MC49976-44	398410	4.38	1517458	5.44	876003	6.97	1663712	8.27	1578047	11.47	1518268	14.78
MC49976-48	425053	4.38	1594302	5.44	935526	6.97	1740023	8.27	1708561	11.47	1627276	14.78
MC49976-52	389013	4.37	1440589	5.44	856023	6.97	1701157	8.27	1725700	11.47	1633437	14.78
MC49976-56	403721	4.38	1564283	5.44	907931	6.97	1739369	8.27	1761302	11.47	1657717	14.78
MC49976-60	407488	4.38	1603301	5.44	936002	6.97	1741030	8.27	1750174	11.48	1680926	14.80
MC49976-64	423222	4.37	1620657	5.44	955735	6.97	1773878	8.27	1762820	11.47	1698155	14.78
MC49976-68	418703	4.38	1618562	5.44	937657	6.98	1774806	8.27	1786738	11.48	1655026	14.80
MC49976-72	397041	4.38	1537607	5.44	916096	6.98	1749844	8.27	1814445	11.50	1675100	14.82
MC49976 76	410616	4.38	1588438	5.44	909539	6.98	1704875	8.28	1743532	11.51	1561010	14.83

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene d10
IS 5 = Chrysene d12
IS 6 = Perylene d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSR1940 CC1934	Injection Date:	04/05/17
Lab File ID:	R51623.D	Injection Time:	10:38
Instrument ID:	GCMSR	Method:	SW846 8270D

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	395026	4.38	1572891	5.44	915638	6.98	1710972	8.27	1741468	11.48	1645704	14.79
Upper Limit [a]	790052	4.88	3145782	5.94	1831276	7.48	3421944	8.77	3482936	11.98	3291408	15.29
Lower Limit [b]	197513	3.88	786446	4.94	457819	6.48	855486	7.77	870734	10.98	822852	14.29
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
MC49976 4	383747	4.38	1470851	5.44	892003	6.97	1700087	8.27	1737467	11.48	1617860	14.79
MC49976 16	365191	4.37	1401469	5.44	850075	6.97	1616153	8.27	1663695	11.48	1555293	14.79
MC49976-24	360805	4.38	1422855	5.44	858352	6.98	1669524	8.27	1673869	11.48	1557035	14.79
MC49976 60	353741	4.38	1348112	5.44	820059	6.97	1595701	8.27	1665844	11.48	1543303	14.78
MC49976-72	360573	4.38	1436084	5.44	868896	6.97	1665134	8.27	1732799	11.48	1622987	14.79
MC49976 76	365179	4.37	1407068	5.44	854747	6.97	1676380	8.27	1701331	11.48	1592327	14.79
ZZZZZZ	396070	4.38	1521775	5.44	913109	6.98	1788652	8.27	1887308	11.48	1743867	14.79

IS 1 = 1,4 Dichlorobenzene d4
IS 2 = Naphthalene d8
IS 3 = Acenaphthene D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8270D Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC49976 4	R51624.D	85	91	93	81	86	99
MC49976 4	R51603.D	80	84	89	75	82	91
MC49976 8	R51604.D	80	85	92	78	85	97
MC49976 12	R51605.D	78	82	83	77	79	91
MC49976 16	R51625.D	76	74	86	71	81	89
MC49976 16	R51606.D	74	79	87	73	79	89
MC49976 20	R51607.D	75	81	92	73	83	96
MC49976 24	R51626.D	79	79	89	73	83	97
MC49976 24	R51608.D	72	78	87	70	77	87
MC49976 28	R51609.D	77	82	92	73	81	91
MC49976 32	R51610.D	68	76	83	71	79	92
MC49976 36	R51611.D	71	75	80	70	74	85
MC49976 40	R51612.D	79	83	89	78	81	92
MC49976 44	R51613.D	83	86	92	82	86	97
MC49976 48	R51614.D	72	76	85	73	78	92
MC49976 52	R51615.D	45	51	72	47	55	76
MC49976 56	R51616.D	80	81	89	75	80	89
MC49976 60	R51627.D	83	81	94	78	84	99
MC49976 60	R51617.D	78	84	91	77	83	94
MC49976 64	R51618.D	79	80	89	78	82	88
MC49976 68	R51619.D	74	78	86	71	78	85
MC49976 72	R51628.D	78	74	74	69	72	86
MC49976 72	R51620.D	72	75	74	70	75	81
MC49976 76	R51629.D	77	82	71	75	76	87
MC49976 76	R51621.D	77	84	77	78	82	85
OP49564 BS	R51601.D	78	84	91	76	83	93
OP49564 BSD	R51602.D	73	82	91	72	79	91
OP49564 MB	R51600.D	70	75	80	66	73	93

Surrogate Compounds	Recovery Limits
S1 = 2 Fluorophenol	25-109%
S2 = Phenol-d5	29-113%
S3 = 2,4,6 Tribromophenol	20-141%
S4 = Nitrobenzene-d5	27-115%
S5 = 2 Fluorobiphenyl	34-118%
S6 = Terphenyl-d14	42-139%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GWX3998-MB	WX79850A.D	1	03/30/17	AF	n/a	n/a	GWX3998

The QC reported here applies to the following samples: Method: SW846 8015

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
	2,3,4-Trifluorotoluene	101%	64-127%

8.1.1

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GWX3998-BSP	WX79851A.D	1	03/30/17	AF	n/a	n/a	GWX3998
GWX3998-BSD	WX79852A.D	1	03/30/17	AF	n/a	n/a	GWX3998

The QC reported here applies to the following samples: Method: SW846 8015

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (VOA)	32.5	33.2	102	34.2	105	3	80-120/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4-Trifluorotoluene	103%	104%	64-127%

8.2.1

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8015	Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
MC49976-1	WX79854.D	104
MC49976-8	WX79861.D	101
MC49976-12	WX79862.D	101
MC49976-16	WX79863.D	101
MC49976-20	WX79864.D	103
MC49976-24	WX79865.D	103
MC49976-28	WX79866.D	105
MC49976-32	WX79867.D	105
MC49976-36	WX79868.D	104
MC49976-40	WX79869.D	105
MC49976-44	WX79871.D	102
MC49976-48	WX79872.D	103
MC49976-52	WX79873.D	105
MC49976-56	WX79874.D	103
MC49976-60	WX79875.D	104
MC49976-64	WX79876.D	104
MC49976-68	WX79877.D	104
MC49976-72	WX79878.D	104
MC49976-76	WX79879.D	104
GWX3998-BSD	WX79852A.D	104
GWX3998-BSP	WX79851A.D	103
GWX3998-MB	WX79850A.D	101

Surrogate Compounds	Recovery Limits
S1 = 2,3,4-Trifluorotoluene	64-127%

(a) Recovery from GC signal #1

8.3.1

8

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

9

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49567 MB	BE54519.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

The QC reported here applies to the following samples: Method: SW846 8081B

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	5.0	ug/kg	
319-84-6	alpha-BHC	ND	5.0	ug/kg	
319-85-7	beta-BHC	ND	5.0	ug/kg	
319-86-8	delta-BHC	ND	5.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.0	ug/kg	
12789-03-6	Chlordane	ND	50	ug/kg	
60-57-1	Dieldrin	ND	5.0	ug/kg	
72-54-8	4,4'-DDD	ND	5.0	ug/kg	
72-55-9	4,4'-DDE	ND	5.0	ug/kg	
50-29-3	4,4'-DDT	ND	5.0	ug/kg	
72-20-8	Endrin	ND	5.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.0	ug/kg	
959-98-8	Endosulfan-I	ND	5.0	ug/kg	
33213-65-9	Endosulfan-II	ND	5.0	ug/kg	
76-44-8	Heptachlor	ND	5.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	5.0	ug/kg	
118-74-1	Hexachlorobenzene	ND	5.0	ug/kg	
72-43-5	Methoxychlor	ND	5.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	100%	10-143%
877 09 8	Tetrachloro m xylene	88%	10 143%
2051 24 3	Decachlorobiphenyl	107%	10 172%
2051 24 3	Decachlorobiphenyl	110%	10 172%

9.1.1

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49566 MB	BK65070.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

The QC reported here applies to the following samples: Method: SW846 8082A

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	ND	33	ug/kg	
11096-82-5	Aroclor 1260	ND	33	ug/kg	
37324-23-5	Aroclor 1262	ND	33	ug/kg	
11100-14-4	Aroclor 1268	ND	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	99%	25-145%
877 09 8	Tetrachloro m-xylene	100%	25-145%
2051-24-3	Decachlorobiphenyl	90%	25-179%
2051-24-3	Decachlorobiphenyl	93%	25-179%

9.1.2

Method Blank Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49567-MB	CR4490.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276

The QC reported here applies to the following samples: Method: SW846 8015

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi VOA)	ND	17	mg/kg	

CAS No.	Surrogate Recoveries	Result	Limits
84-15-1	o-Terphenyl	93%	17-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49567-BS	BE54520.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736
OP49567-BSD	BE54521.D	1	04/04/17	AP	03/31/17	OP49567	GBE2736

The QC reported here applies to the following samples: Method: SW846 8081B

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	33.3	36.5	109	36.3	109	1	37-165/30
319-84-6	alpha-BHC	33.3	35.7	107	35.1	105	2	32-157/30
319-85-7	beta-BHC	33.3	37.5	112	36.2	109	4	41-159/30
319-86-8	delta-BHC	33.3	20.4	61	19.5	58	5	26-157/30
58-89-9	gamma-BHC (Lindane)	33.3	37.9	114	36.1	108	5	34-156/30
60-57-1	Dieldrin	33.3	31.3	94	31.5	94	1	42-171/30
72-54-8	4,4'-DDD	33.3	37.6	113	35.8	107	5	41-168/30
72-55-9	4,4'-DDE	33.3	36.3	109	36.0	108	1	42-167/30
50-29-3	4,4'-DDT	33.3	35.4	106	33.8	101	5	37-172/30
72-20-8	Endrin	33.3	37.6	113	35.4	106	6	30-191/30
1031-07-8	Endosulfan sulfate	33.3	40.0	120	37.3	112	7	41-162/30
959-98-8	Endosulfan I	33.3	38.7	116	37.2	112	4	42-168/30
33213-65-9	Endosulfan II	33.3	38.4	115	36.6	110	5	41-166/30
76-44-8	Heptachlor	33.3	35.9	108	33.9	102	6	43-159/30
1024-57-3	Heptachlor epoxide	33.3	36.0	108	35.1	105	3	42-167/30
118-74-1	Hexachlorobenzene	33.3	28.0	84	27.9	84	0	49-143/30
72-43-5	Methoxychlor	33.3	35.3	106	32.3	97	9	28-187/30
53494-70-5	Endrin ketone	33.3	36.7	110	34.8	104	5	32-170/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	89%	91%	10-143%
877-09-8	Tetrachloro-m-xylene	92%	94%	10-143%
2051-24-3	Decachlorobiphenyl	113%	104%	10-172%
2051-24-3	Decachlorobiphenyl	104%	107%	10-172%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49566-BS	BK65071.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075
OP49566-BSD	BK65072.D	1	04/04/17	AP	03/31/17	OP49566	GBK2075

The QC reported here applies to the following samples: Method: SW846 8082A

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	267	244	91	229	86	6	47-144/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	267	248	93	232	87	7	45-156/30
37324-23-5	Aroclor 1262		ND		ND		nc	40-140/30
11100-14-4	Aroclor 1268		ND		ND		nc	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	90%	88%	25-145%
877-09-8	Tetrachloro-m-xylene	93%	86%	25-145%
2051-24-3	Decachlorobiphenyl	87%	83%	25-179%
2051-24-3	Decachlorobiphenyl	92%	79%	25-179%

* = Outside of Control Limits.

9.2.2

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49565 BS	CR4491.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276
OP49565-BSD	CR4492.D	1	04/04/17	AP	03/31/17	OP49565	GCR1276

The QC reported here applies to the following samples: Method: SW846-8015

MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976 36, MC49976 40, MC49976 44, MC49976-48, MC49976-52, MC49976 56, MC49976 60, MC49976 64, MC49976-68, MC49976-72, MC49976-76

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (Semi-VOA)	167	168	101	148	89	13	29-125/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	109%	97%	17-130%

* = Outside of Control Limits.

9.2.3

Semivolatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8081B Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC49976-4	BE54522.D	48	64	59	150
MC49976-8	BE54523.D	68	73	61	88
MC49976-12	BE54524.D	71	82	62	122
MC49976-16	BE54525.D	47	65	54	218* [c]
MC49976-20	BE54526.D	60	71	62	142
MC49976-24	BE54527.D	40	63	707* [d]	841* [d]
MC49976-28	BE54528.D	83	81	65	86
MC49976-32	BE54531.D	55	65	59	190* [c]
MC49976-36	BE54532.D	73	73	53	95
MC49976-40	BE54533.D	58	68	70	120
MC49976-44	BE54534.D	86	81	50	79
MC49976-48	BE54535.D	82	78	52	78
MC49976-52	BE54536.D	71	77	56	90
MC49976-56	BE54537.D	60	68	55	90
MC49976-60	BE54538.D	47	65	53	175* [c]
MC49976-64	BE54539.D	55	66	46	88
MC49976-68	BE54540.D	51	73	54	174* [c]
MC49976-72	BE54543.D	48	68	82	474* [c]
MC49976-76	BE54544.D	46	58	78	374* [c]
OP49567-BS	BE54520.D	89	92	113	104
OP49567-BSD	BE54521.D	91	94	104	107
OP49567-MB	BE54519.D	100	88	107	110

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	10-143%
S2 = Decachlorobiphenyl	10-172%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to possible matrix interference.
(d) Outside control limits due to possible matrix interference. Sample results confirmed by reanalysis.

Semivolatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8082A Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
MC49976-4	BK65073.D	78	57	85	68
MC49976-8	BK65074.D	86	77	93	82
MC49976-12	BK65075.D	84	73	95	80
MC49976-16	BK65076.D	81	57	96	79
MC49976-20	BK65077.D	76	63	86	76
MC49976-24	BK65078.D	81	55	87	65
MC49976-28	BK65079.D	90	80	98	89
MC49976-32	BK65085.D	84	67	102	79
MC49976-36	BK65086.D	90	81	102	88
MC49976-40	BK65087.D	83	64	99	87
MC49976-44	BK65088.D	82	78	91	81
MC49976-48	BK65089.D	87	79	102	92
MC49976-52	BK65090.D	84	74	96	82
MC49976-56	BK65091.D	80	68	91	79
MC49976-60	BK65092.D	76	55	83	64
MC49976-64	BK65093.D	70	57	79	67
MC49976-68	BK65094.D	79	57	89	67
MC49976-72	BK65096.D	80	54	92	66
MC49976-76	BK65097.D	75	52	95	70
OP49566-BS	BK65071.D	90	93	87	92
OP49566-BSD	BK65072.D	88	86	83	79
OP49566-MB	BK65070.D	99	100	90	93

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	25-145%
S2 = Decachlorobiphenyl	25-179%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Semivolatile Surrogate Recovery Summary

Job Number: MC49976
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846-8015 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
MC49976-4	CR4499.D	100
MC49976-8	CR4493.D	91
MC49976-12	CR4502.D	102
MC49976-16	CR4501.D	115
MC49976-20	CR4494.D	96
MC49976-24	CR4503.D	112
MC49976-28	CR4495.D	94
MC49976-32	CR4496.D	105
MC49976-36	CR4504.D	105
MC49976-40	CR4497.D	99
MC49976-44	CR4505.D	88
MC49976-48	CR4506.D	111
MC49976-52	CR4498.D	106
MC49976-56	CR4507.D	91
MC49976-60	CR4508.D	117
MC49976-64	CR4509.D	107
MC49976-68	CR4510.D	108
MC49976-72	CR4512.D	110
MC49976-76	CR4513.D	107
OP49565-BS	CR4491.D	109
OP49565-BSD	CR4492.D	97
OP49565-MB	CR4490.D	93

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	17-130%

(a) Recovery from GC signal #1

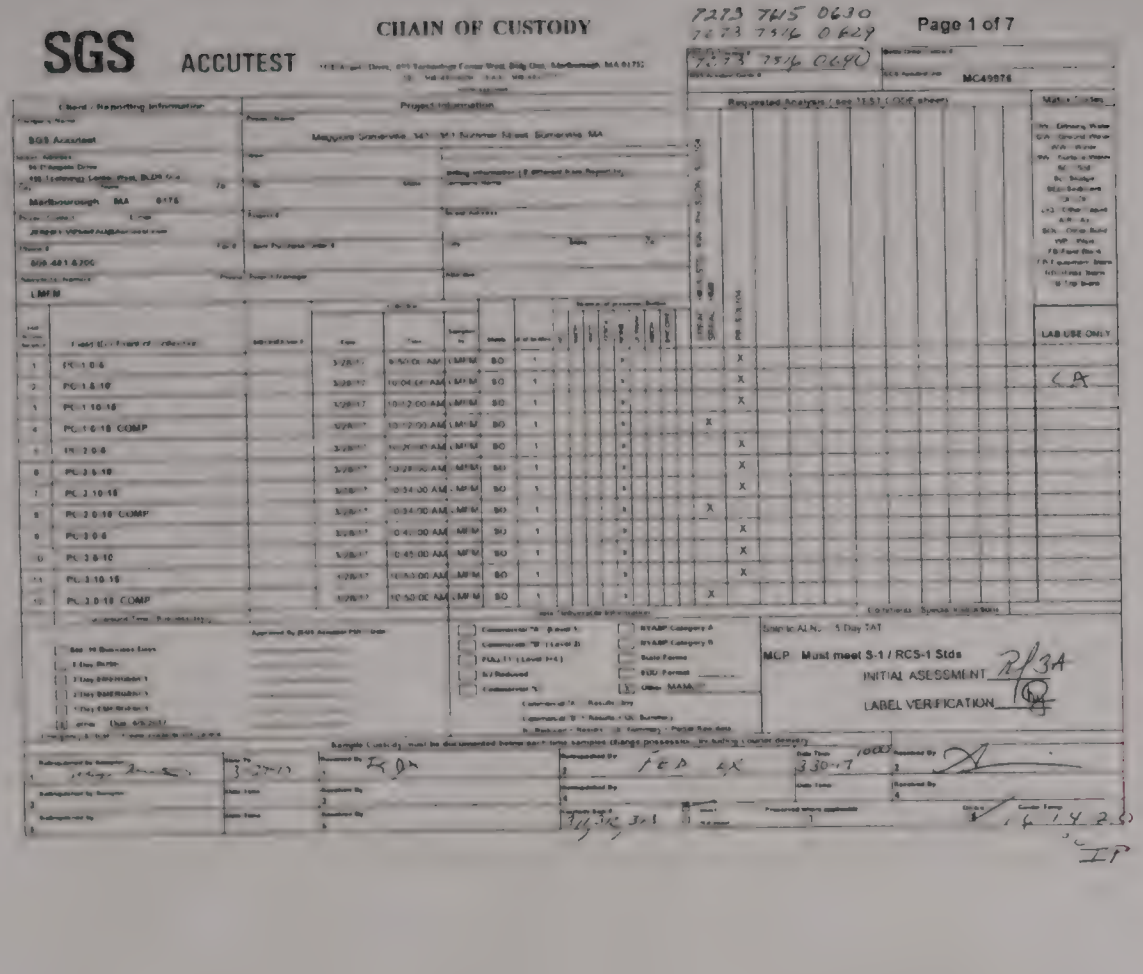
Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



SGS ACCUTEST

CHAIN OF CUSTODY

Page 1 of 7

MC49976

Client / Reporting Information

SGS Accutest

Marlborough MA 0175

508 481 6200

LMFM

Project Information

Maguire Somerville 343 - 351 Summer Street Somerville MA

Requested Analysis (see TEST CODE sheet)

Matrix Codes

LAB USE ONLY

CA

	Field ID / Point of Collection	MEOH Vial #	Date	Time	Sampled by	Matrix	# of bottles
1	PC-1 0-5		3/28/17	9:50:00 AM	LMFM	SO	1
2	PC-1 5-10'		3/28/17	10:04:00 AM	LMFM	SO	1
3	PC-1 10-15		3/28/17	10:12:00 AM	LMFM	SO	1
4	PC-1 0-15' COMP		3/28/17	10:12:00 AM	LMFM	SO	1
5	PC-2 0-5		3/28/17	10:21:00 AM	LMFM	SO	1
6	PC-2 5-10		3/28/17	10:29:00 AM	LMFM	SO	1
7	PC-2 10-15		3/28/17	10:34:00 AM	LMFM	SO	1
8	PC-2 0-15' COMP		3/28/17	10:34:00 AM	LMFM	SO	1
9	PC-3 0-5		3/28/17	10:41:00 AM	LMFM	SO	1
10	PC-3 5-10		3/28/17	10:45:00 AM	LMFM	SO	1
11	PC-3 10-15		3/28/17	10:53:00 AM	LMFM	SO	1
12	PC-3 0-15' COMP		3/28/17	10:53:00 AM	LMFM	SO	1

Turnaround Time (Business days)

Approved By (SGS Accutest PM) / Date

Commercial "A" (Level 1)

Commercial "B" (Level 2)

FULLT1 (Level 3+4)

EQ Reduced

Commercial "C"

NYASP Category A

NYASP Category B

State Forms

EDD Format

Other MAMA

Shipping Info

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time	Received By
1		3-29-17	FedEx
2	FedEx	3.30.17 1000	
3			
4			
5			

Custody Seal #

Preserved where applicable

On Ice

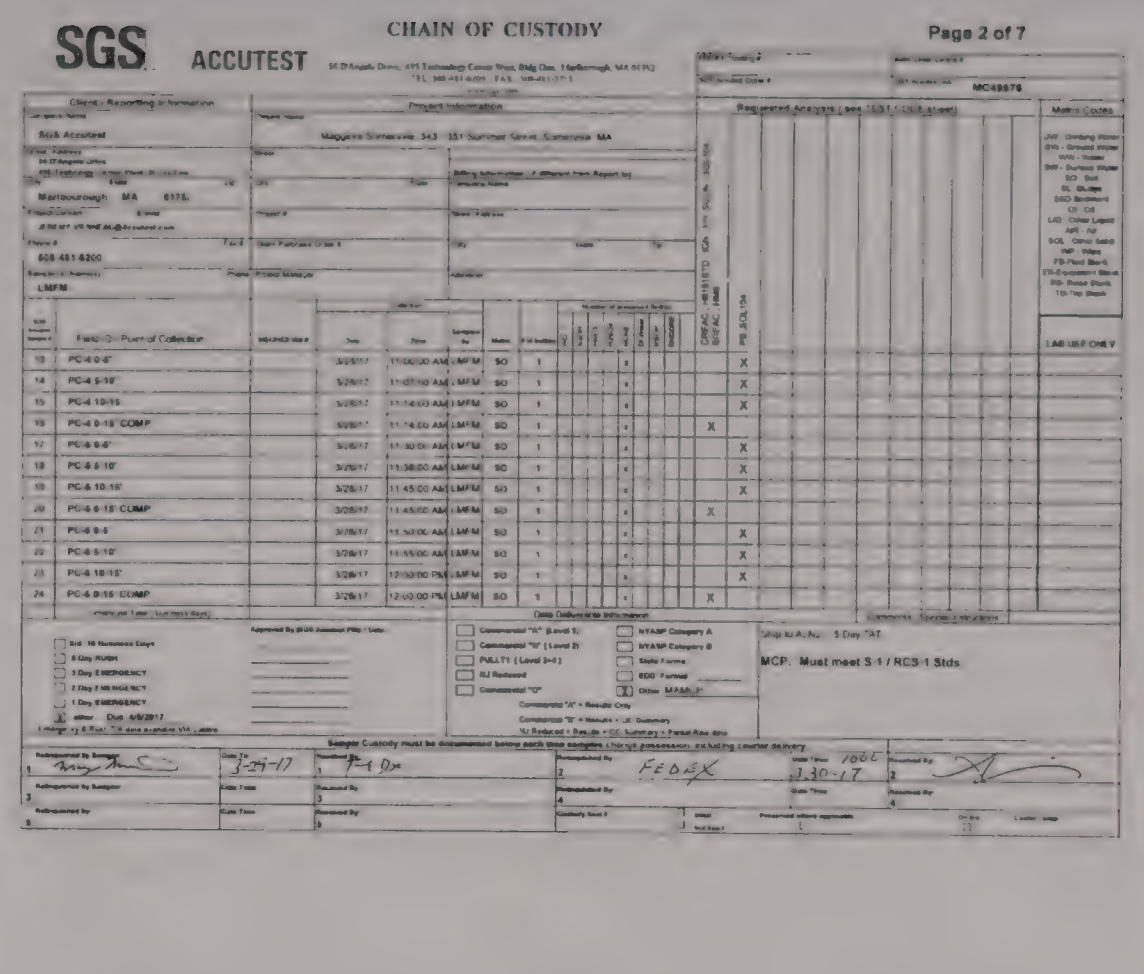
Cooler Temp

1.4 2.5

IP

10.1

10



SGS ACCUTEST

CHAIN OF CUSTODY

Page 2 of 7

MC49976

Client / Reporting Information

SGS Accutest

Marlborough MA 0175

508 481 6200

LMFM

Project Information

Maguire Somerville 343 - 351 Summer Street Somerville MA

Requested Analysis (see TEST CODE sheet)

Matrix Codes

LAB USE ONLY

	Field ID / Point of Collection	MEOH Vial #	Date	Time	Sampled by	Matrix	# of bottles
13	PC-4 0-5'		3/28/17	11:00:00 AM	LMFM	SO	1
14	PC-4 5-10'		3/28/17	11:07:00 AM	LMFM	SO	1
15	PC-4 10-15		3/28/17	11:14:00 AM	LMFM	SO	1
16	PC-4 0-15' COMP		3/28/17	11:14:00 AM	LMFM	SO	1
17	PC-5 0-5'		3/28/17	11:30:00 AM	LMFM	SO	1
18	PC-5 5-10'		3/28/17	11:38:00 AM	LMFM	SO	1
19	PC-5 10-15'		3/28/17	11:45:00 AM	LMFM	SO	1
20	PC-5 0-15' COMP		3/28/17	11:45:00 AM	LMFM	SO	1
21	PC-6 0-5		3/28/17	11:52:00 AM	LMFM	SO	1
22	PC-6 5-10'		3/28/17	11:55:00 AM	LMFM	SO	1
23	PC-6 10-15'		3/28/17	12:00:00 PM	LMFM	SO	1
24	PC-6 0-15' COMP		3/28/17	12:00:00 PM	LMFM	SO	1

Turnaround Time (Business days)

Approved By (SGS Accutest PM) / Date

Commercial "A" (Level 1)

Commercial "B" (Level 2)

FULLT1 (Level 3+4)

EQ Reduced

Commercial "C"

NYASP Category A

NYASP Category B

State Forms

EDD Format

Other MAMA

Ship to A.L.N. 5 Day TAT

MCP Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler	Date Time	Received By
1		3-29-17	FedEx
2	FedEx	3.30.17 1000	
3			
4			
5			

Custody Seal #

Preserved where applicable

On Ice

Cooler Temp

10.1

10

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED EX Tracking #

Bottle Order Control #

SGS Accutest Quote #

SGS Accutest Job: MC49976

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlborough, State: MA, Zip: 0175
Project Contact: JEREMY.VIENNEAU@Accutest.com
Phone #: 508-481-6200
Sampler(s) Name(s): LMFM

Project Information

Project Name: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	MeOH	HNO3	H2SO4	NaOH	Zn Acet	NaHSO4	ENCORE	CREAC_H8151STD_IGN_PH_SCON_SOL104 SREAC_HAB	PB_SOL104	LAB USE ONLY
25	PC-7 0-5'		3/28/17	12:05:00 PM	LMFM	SO	1					x					X	
26	PC-7 5-10'		3/28/17	12:10:00 PM	LMFM	SO	1					x					X	
27	PC-7 10-15'		3/28/17	12:15:00 PM	LMFM	SO	1					x					X	
28	PC-7 0-15' COMP		3/28/17	12:15:00 PM	LMFM	SO	1					x				X		
29	PC-8 0-5'		3/28/17	12:20:00 PM	LMFM	SO	1					x					X	
30	PC-8 5-10'		3/28/17	12:28:00 PM	LMFM	SO	1					x					X	
31	PC-8 10-15'		3/28/17	12:35:00 PM	LMFM	SO	1					x					X	
32	PC-8 0-15' COMP		3/28/17	12:35:00 PM	LMFM	SO	1					x				X		
33	PC-9 0-5		3/28/17	12:40:00 PM	LMFM	SO	1					x					X	
34	PC-9 5-10'		3/28/17	12:45:00 PM	LMFM	SO	1					x					X	
35	PC-9 10-15'		3/28/17	12:50:00 PM	LMFM	SO	1					x					X	
36	PC-9 0-15' COMP		3/28/17	12:50:00 PM	LMFM	SO	1					x				X		

Turnaround Time (Business days)

Approved By (SGS Accutest PM) / Date

- Std. 10 Business Days
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- [X] other Due 4/5/2017

Emergency & Rush T/A data available VIA Labsink

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- NJ Reduced
- Commercial "C"
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ -- 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By	Date Time:	Received By:
1	3-27-17	1 FedEx	2 FEDEX	3-30-17 1000	2
Relinquished by Sampler	Date Time:	Received By:	Relinquished By	Date Time:	Received By:
3		3	4		4
Relinquished by	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp
5		6			

10.1 10

CHAIN OF CUSTODY

SGS ACCUTEST

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7753
www.sgs.com

FED EX Tracking #

Bottle Order Control #

SGS Accutest Quote #

SGS Accutest Job: MC49976

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 50 D'Angelo Drive, 495 Technology Center West, BLDG One
City: Marlborough, State: MA, Zip: 0175
Project Contact: JEREMY.VIENNEAU@Accutest.com
Phone #: 508-481-6200
Sampler(s) Name(s): LMFM

Project Information

Project Name: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	MeOH	HNO3	H2SO4	NaOH	Zn Acet	NaHSO4	ENCORE	CREAC_H8151STD_IGN_PH_SCON_SOL104 SREAC_HAB	PB_SOL104	LAB USE ONLY
37	PC-10 0-5'		3/28/17	12:55:00 PM	LMFM	SO	1					x					X	
38	PC-10 5-10'		3/28/17	1:05:00 PM	LMFM	SO	1					x					X	
39	PC-10 10-15'		3/28/17	1:14:00 PM	LMFM	SO	1					x					X	
40	PC-10 0-15' COMP		3/28/17	1:14:00 PM	LMFM	SO	1					x				X		
41	PC-11 0-5'		3/28/17	1:20:00 PM	LMFM	SO	1					x					X	
42	PC-11 5-10'		3/28/17	1:25:00 PM	LMFM	SO	1					x					X	
43	PC-11 10-15'		3/28/17	1:33:00 PM	LMFM	SO	1					x					X	
44	PC-11 0-15' COMP		3/28/17	1:33:00 PM	LMFM	SO	1					x				X		
45	PC-12 0-5'		3/28/17	1:40:00 PM	LMFM	SO	1					x					X	
46	PC-12 5-10'		3/28/17	1:45:00 PM	LMFM	SO	1					x					X	
47	PC-12 10-15'		3/28/17	1:50:00 PM	LMFM	SO	1					x					X	
48	PC-12 0-15' COMP		3/28/17	1:50:00 PM	LMFM	SO	1					x				X		

Turnaround Time (Business days)

Approved By (SGS Accutest PM) / Date

- Std. 10 Business Days
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- [X] other Due 4/6/2017

Emergency & Rush T/A data available VIA Labsink

Data Deliverable Information

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- NJ Reduced
- Commercial "C"
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ -- 5 Day TAT

MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By	Date Time:	Received By:
1	3-29-17	1 FedEx	2 FEDEX	3-30-17 1000	2
Relinquished by Sampler	Date Time:	Received By:	Relinquished By	Date Time:	Received By:
3		3	4		4
Relinquished by	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp
5		5			

10.1 10

SGS ACCUTEST — **CHAIN OF CUSTODY**

MC49976

Client / Reporting Information: SGS Accutest; Marlborough, MA 01752; 508 481 6200; LMFM

Project Information: Maggiore Farmerville 141 - 151 Summer Street Somerville MA

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	Matrix Codes	LAB USE ONLY
PC-11A 0-6	3/28/17	1:50:00 PM	LMFM	SO	1		X
PC-11B 0-6	3/28/17	2:00:00 PM	LMFM	SO	1		X
PC-11C 0-6	3/28/17	2:07:00 PM	LMFM	SO	1		X
PC-11B 0-6 COMP	3/28/17	2:07:00 PM	LMFM	SO	1		X
PC-14A 0-6	3/28/17	2:15:00 PM	LMFM	SO	1		X
PC-14B 0-6	3/28/17	2:14:00 PM	LMFM	SO	1		X
PC-14C 0-6	3/28/17	2:18:00 PM	LMFM	SO	1		X
PC-14 0-6 COMP	3/28/17	2:18:00 PM	LMFM	SO	1		X
PC-15A 0-6	3/28/17	2:20:00 PM	LMFM	SO	1		X
PC-15B 0-6	3/28/17	2:22:00 PM	LMFM	SO	1		X
PC-15C 0-6	3/28/17	2:28:00 PM	LMFM	SO	1		X
PC-15 0-6 COMP	3/28/17	2:28:00 PM	LMFM	SO	1		X

Turnaround Time (Business days): Std. 10 Business Days; 5 Day RUSH; 3 Day EMERGENCY; 2 Day EMERGENCY; 1 Day EMERGENCY; other Date 4/5/2017

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information: Commercial "A" (Level 1); Commercial "B" (Level 2); FULL1 (Level 3+4); NJ Reduced; Commercial "C"; NYASP Category A; NYASP Category B; State Forms; EDD Format; ELE Format; Other MASP

Comments / Special Instructions: Ship to ALNJ 5 Day TAT; MCP Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1	3-29-17	1 FedEx	2 FEDEX	3-30-17 1800	2
3		3	4		4
5		5	6		6

Custody Seal #: Intact / Not Intact; Preserved where applicable; On Ice; Cooler Temp: A / B / C

10.1 10

SGS ACCUTEST — **CHAIN OF CUSTODY**

MC49976

Client / Reporting Information: SGS Accutest; Marlborough, MA 01752; 508 481 6200; LMFM

Project Information: Maggiore Somerville 141 - 151 Summer Street Somerville MA

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	Matrix Codes	LAB USE ONLY
PC-18A 0-6	3/28/17	2:30:00 PM	LMFM	SO	1		X
PC-18B 0-6	3/28/17	2:36:00 PM	LMFM	SO	1		X
PC-18C 0-6	3/28/17	2:45:00 PM	LMFM	SO	1		X
PC-18 0-6 COMP	3/28/17	2:45:00 PM	LMFM	SO	1		X
PC-17A 0-6	3/28/17	2:58:00 PM	LMFM	SO	1		X
PC-17B 0-6	3/28/17	3:05:00 PM	LMFM	SO	1		X
PC-17C 0-6	3/28/17	3:12:00 PM	LMFM	SO	1		X
PC-17 0-6 COMP	3/28/17	3:12:00 PM	LMFM	SO	1		X
PC-18A 0-6	3/28/17	3:18:00 PM	LMFM	SO	1		X
PC-18B 0-6	3/28/17	3:28:00 PM	LMFM	SO	1		X
PC-18C 0-6	3/28/17	3:33:00 PM	LMFM	SO	1		X

Turnaround Time (Business days): Std. 10 Business Days; 5 Day RUSH; 3 Day EMERGENCY; 2 Day EMERGENCY; 1 Day EMERGENCY; other Date 4/5/2017

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information: Commercial "A" (Level 1); Commercial "B" (Level 2); FULL1 (Level 3+4); NJ Reduced; Commercial "C"; NYASP Category A; NYASP Category B; State Forms; EDD Format; Other MASP

Comments / Special Instructions: Ship to ALNJ 5 Day TAT; MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1	3-29-17	1 FedEx	2 FEDEX	3-30-17 1800	2
3		3	4		4
5		5	6		6

Custody Seal #: Intact / Not Intact; Preserved where applicable; On Ice; Cooler Temp: A / B / C

10.1 10

SGS ACCUTEST CHAIN OF CUSTODY

30 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL 508-481-6200 FAX 508-481-7753
www.sgs.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC49976

Client / Reporting Information
Company Name: SGS Accutest
Address: 30 D'Angelo Drive, 495 Technology Center West, Bldg One
City: Marlborough | State: MA | Zip: 01752
Project Contact: JEREMY VREELAND@accutest.com | E-mail:
Phone #: 508-481-6200 | Fax #:
Sampler(s) Name(s): LMFM | Phone:

Project Information
Project Name: Meggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project #:
Client Purchase Order #:
Project Manager:
Attention:
Billing Information (If different from Report to)
Company Name:
Street Address:
City | State | Zip:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; O - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB-Rinse Blank; TB-Trip Blank

Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preservation: NO	HCL	H2SO4	HNO3	NaOH	DI Water	MeOH	ENCORE	CREAC: HR1515TD: SPE/AC	PH: SCON: HN48	PB: FOL10d	LAB USE ONLY
72	PC-18C 0-15' COMP		3/28/17	3 33 00 PM	LMFM	SO	1					X				X			
73	PC-19A 0-5		3/28/17	3 38 00 PM	LMFM	SO	1					X						X	
74	PC-19B 0-5		3/28/17	3 38 00 PM	LMFM	SO	1					X						X	
75	PC-19C 0-5		3/28/17	3 45 00 PM	LMFM	SO	1					X						X	
76	PC-19 0-5' COMP		3/28/17	3 45 00 PM	LMFM	SO	1					X				X			

Turnaround Time (Business days):
- Std. 10 Business Days
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- [X] other Due 4/5/2017

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] RI Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
RI Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions
Ship to ALNJ -- 5 Day TAT
MCP: Must meet S-1 / RCS-1 Stds

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Relinquished by Sampler:	Date Time: 3-2917	1 Received By: FEDEX	1 Relinquished By: FEDEX	Date Time: 3-30-17 1000	1 Received By:		
2 Relinquished by Sampler:	Date Time:	2 Received By:	2 Relinquished By:	Date Time:	2 Received By:		
3 Relinquished by:	Date Time:	3 Received By:	3 Relinquished By:	Date Time:	3 Received By:		
4 Relinquished by:	Date Time:	4 Received By:	4 Relinquished By:	Date Time:	4 Received By:		
5 Relinquished by:	Date Time:	5 Received By:	Custody Seal #	[ ] Intact [ ] Not Intact	Preserved where applicable [ ]	On Ice [ ]	Cooler Temp

10.1 10

SGS Accutest Sample Receipt Summary

Job Number: MC49976 **Client:** **Project:**

Date / Time Received: 3/30/2017 10 00 00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1 6), Cooler 2: (1 4); Cooler 3: (2 0),

Cooler Temps (Corrected) °C: Cooler 1: (3 0), Cooler 2: (2 8); Cooler 3: (3 4),

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present	☑ ☐
2. Custody Seals Intact	☑ ☐	4 Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved	☑ ☐
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (Bag)
4. No. Coolers:	3

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler	☐ ☑	☐
2 Trip Blank listed on COC	☐ ☑	☐
3 Samples preserved properly:	☑ ☐	
4. VOCs headspace free:	☐ ☐	☑

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete	☑ ☐
3. Sample container label / COC agree.	☑ ☐

Sample Integrity - Condition	Y or N
1 Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis	☑ ☐	
4. Compositing instructions clear	☐ ☐	☑
5. Filtering instructions clear	☐ ☐	☑

Comments

SM089-02
Rev. Date 12/1/16

10.1 10

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-1 Collected: 28-MAR-17 09:50 By: LMFM Received: 29-MAR-17 By: AS PC-1 0-5'						
MC49976-1	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-1	SW846 6010C	04-APR-17 16:45	AB	01-APR-17	AA	PB
MC49976-2 Collected: 28-MAR-17 10:04 By: LMFM Received: 29-MAR-17 By: AS PC-1 5-10'						
MC49976-2	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-2	SW846 6010C	04-APR-17 16:39	AB	01-APR-17	AA	PB
MC49976-3 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: AS PC-1 10-15'						
MC49976-3	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-3	SW846 6010C	04-APR-17 16:48	AB	01-APR-17	AA	PB
MC49976-4 Collected: 28-MAR-17 10:12 By: LMFM Received: 29-MAR-17 By: AS PC-1 0-15' COMP						
MC49976-4	SW846 7471B	01-APR-17 10:23	JA	01-APR-17	JA	HG
MC49976-4	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-4	SW846 CHAP7/9012 B	03-APR-17 12:17	YZ	02-APR-17	CB	CREAC
MC49976-4	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-4	SM2510B-11M/SW9050A	04-APR-17 04:47	ST			SCON
MC49976-4	SW846 1010A/ASTM D93	08-APR-17 16:00	PO			IGN
MC49976-4	SW846 6010C	04-APR-17 16:59	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-4	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-4	SW846 8151	10-APR-17 11:41	VDT	08-APR-17	RF	H8151STD
MC49976-5 Collected: 28-MAR-17 10:20 By: LMFM Received: 29-MAR-17 By: AS PC-2 0-5'						
MC49976-5	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-5	SW846 6010C	04-APR-17 17:02	AB	01-APR-17	AA	PB
MC49976-6 Collected: 28-MAR-17 10:28 By: LMFM Received: 29-MAR-17 By: AS PC-2 5-10						

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-6	SM2540 G-97	03-APR-17 19:15	SA			SOL104
MC49976-6	SW846 6010C	04-APR-17 17:05	AB	01-APR-17	AA	PB
MC49976-7 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: AS PC-2 10-15'						
MC49976-7	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-7	SW846 6010C	04-APR-17 17:08	AB	01-APR-17	AA	PB
MC49976-8 Collected: 28-MAR-17 10:34 By: LMFM Received: 29-MAR-17 By: AS PC-2 0-15' COMP						
MC49976-8	SW846 7471B	01-APR-17 10:24	JA	01-APR-17	JA	HG
MC49976-8	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-8	SW846 CHAP7/9012 B	03-APR-17 12:18	YZ	02-APR-17	CB	CREAC
MC49976-8	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-8	SM2510B-11M/SW9050A	04-APR-17 04:47	ST			SCON
MC49976-8	SW846 1010A/ASTM D93	08-APR-17 16:00	PO			IGN
MC49976-8	SW846 6010C	04-APR-17 17:11	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-8	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-8	SW846 8151	07-APR-17 01:40	VDT	05-APR-17	FN	H8151STD
MC49976-9 Collected: 28-MAR-17 10:40 By: LMFM Received: 29-MAR-17 By: AS PC-3 0-5'						
MC49976-9	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-9	SW846 6010C	04-APR-17 17:14	AB	01-APR-17	AA	PB
MC49976-10 Collected: 28-MAR-17 10:45 By: LMFM Received: 29-MAR-17 By: AS PC-3 5-10'						
MC49976-10	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-10	SW846 6010C	04-APR-17 17:17	AB	01-APR-17	AA	PB
MC49976-11 Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: AS PC-3 10-15'						
MC49976-11	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-11	SW846 6010C	04-APR-17 17:20	AB	01-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-12	Collected: 28-MAR-17 10:50 By: LMFM Received: 29-MAR-17 By: AS					
PC 3 0 15' COMP						
MC49976-12	SW846 7471B	01-APR-17 10:26	JA	01-APR-17	JA	HG
MC49976 12	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-12	SW846 CHAP7/9012 B	03-APR-17 12:20	YZ	02-APR-17	CB	CREAC
MC49976-12	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-12	SM2510B-11M/SW9050A/M	01 APR-17 04:47	ST			SCON
MC49976-12	SW846 1010A/ASTM D93	03 APR-17 16:00	PO			IGN
MC49976 12	SW846 6010C	04 APR 17 17:23	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976 12	SW846 9045D	05 APR 17 11:36	PO			PH
MC49976-12	SW846 8151	10-APR-17 12:10	VDT	08-APR-17	RF	H8151STD
MC49976-13	Collected: 28-MAR-17 11:00 By: LMFM Received: 29-MAR-17 By: AS					
PC-4 0-5'						
MC49976 13	SM2540 G 97	03 APR 17 19:15	JV			SOL104
MC49976 13	SW846 6010C	04 APR 17 17:32	AB	01-APR-17	AA	PB
MC49976-14	Collected: 28-MAR-17 11:07 By: LMFM Received: 29-MAR-17 By: AS					
PC-4 5 10'						
MC49976 14	SM2540 G 97	03-APR-17 19:15	JV			SOL104
MC49976 14	SW846 6010C	04 APR 17 17:35	AB	01-APR-17	AA	PB
MC49976-15	Collected: 28-MAR-17 11:14 By: LMFM Received: 29-MAR-17 By: AS					
PC 4 10 15'						
MC49976-15	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-15	SW846 6010C	04 APR 17 17:38	AB	01-APR-17	AA	PB
MC49976 16	Collected: 28 MAR-17 11:14 By: LMFM Received: 29-MAR-17 By: AS					
PC-4 0-15' COMP						
MC49976-16	SW846 7471B	01-APR-17 10:27	JA	01-APR-17	JA	HG
MC49976 16	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-16	SW846 CHAP7/9012 B	03-APR-17 12:21	YZ	02-APR-17	CB	CREAC
MC49976 16	SM2540 G 97	03 APR 17 19:15	JV			SOL104
MC49976 16	SM2510B 11M/SW9050A/M	01 APR 17 04:47	ST			SCON

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-16	SW846 6010C	04 APR 17 17:41	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-16	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-16	SW846 1010A/ASTM D93	03 APR 17 16:35	PO			IGN
MC49976-16	SW846 8151	10-APR-17 12:39	VDT	08-APR-17	RF	H8151STD
MC49976-17	Collected: 28-MAR-17 11:30 By: LMFM Received: 29-MAR-17 By: AS					
PC-5 0-5'						
MC49976-17	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976 17	SW846 6010C	04 APR 17 17:44	AB	01-APR-17	AA	PB
MC49976-18	Collected: 28-MAR-17 11:38 By: LMFM Received: 29-MAR-17 By: AS					
PC-5 5-10'						
MC49976-18	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-18	SW846 6010C	04 APR 17 17:47	AB	01-APR-17	AA	PB
MC49976-19	Collected: 28-MAR-17 11:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-5 10-15'						
MC49976-19	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976 19	SW846 6010C	04-APR-17 17:50	AB	01-APR-17	AA	PB
MC49976-20	Collected: 28-MAR-17 11:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-5 0-15' COMP						
MC49976-20	SW846 7471B	01-APR-17 10:28	JA	01-APR-17	JA	HG
MC49976 20	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-20	SW846 CHAP7/9012 B	03-APR-17 12:22	YZ	02-APR-17	CB	CREAC
MC49976-20	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-20	SM2510B 11M/SW9050A/M	01 APR 17 04:47	ST			SCON
MC49976 20	SW846 6010C	04 APR 17 17:53	AB	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-20	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-20	SW846 1010A/ASTM D93	03 APR-17 16:35	PO			IGN
MC49976 20	SW846 8151	07 APR 17 04:32	VDT	05-APR-17	FN	H8151STD
MC49976-21	Collected: 28-MAR-17 11:50 By: LMFM Received: 29-MAR-17 By: AS					
PC-6 0-5'						
MC49976 21	SM2540 G 97	03 APR 17 19:15	JV			SOL104

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-22	SW846 6010C	03-APR-17 19:59	ND	01-APR-17	AA	PB
MC49976-23	Collected: 28-MAR-17 11:55 By: LMFM Received: 29-MAR-17 By: AS PC-6 5-10'					
MC49976-23	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-23	SW846 6010C	03-APR-17 19:50	ND	01-APR-17	AA	PB
MC49976-24	Collected: 28-MAR-17 12:00 By: LMFM Received: 29-MAR-17 By: AS PC-6 10-15'					
MC49976-24	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-24	SW846 6010C	03-APR-17 20:03	ND	01-APR-17	AA	PB
MC49976-24	Collected: 28-MAR-17 12:00 By: LMFM Received: 29-MAR-17 By: AS PC-6 0-15' COMP					
MC49976-24	SW846 7471B	01-APR-17 10:30	JA	01-APR-17	JA	HG
MC49976-24	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-24	SW846 CHAP7/9012 B	03-APR-17 12:27	YZ	02-APR-17	CB	CREAC
MC49976-24	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-24	SW846 6010C	03-APR-17 20:07	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-24	SM2510B-11M/SW9050A	03-APR-17 04:47	ST			SCON
MC49976-24	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-24	SW846 1010A/ASTM D93	03-APR-17 16:35	PO			IGN
MC49976-24	SW846 8151	10-APR-17 13:08	VDT	08-APR-17	RF	H8151STD
MC49976-25	Collected: 28-MAR-17 12:05 By: LMFM Received: 29-MAR-17 By: AS PC-7 0-5'					
MC49976-25	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-25	SW846 6010C	03-APR-17 20:11	ND	01-APR-17	AA	PB
MC49976-26	Collected: 28-MAR-17 12:10 By: LMFM Received: 29-MAR-17 By: AS PC-7 5-10'					
MC49976-26	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-26	SW846 6010C	03-APR-17 20:15	ND	01-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-27	Collected: 28-MAR-17 12:15 By: LMFM Received: 29-MAR-17 By: AS PC-7 10-15'					
MC49976-27	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-27	SW846 6010C	03-APR-17 20:28	ND	01-APR-17	AA	PB
MC49976-28	Collected: 28-MAR-17 12:15 By: LMFM Received: 29-MAR-17 By: AS PC-7 0-15' COMP					
MC49976-28	SW846 7471B	01-APR-17 10:32	JA	01-APR-17	JA	HG
MC49976-28	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-28	SW846 CHAP7/9012 B	03-APR-17 12:28	YZ	02-APR-17	CB	CREAC
MC49976-28	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-28	SW846 6010C	03-APR-17 20:32	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-28	SM2510B-11M/SW9050A	03-APR-17 04:47	ST			SCON
MC49976-28	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-28	SW846 1010A/ASTM D93	03-APR-17 16:35	PO			IGN
MC49976-28	SW846 8151	10-APR-17 10:16	VDT	08-APR-17	RF	H8151STD
MC49976-29	Collected: 28-MAR-17 12:20 By: LMFM Received: 29-MAR-17 By: AS PC-8 0-5'					
MC49976-29	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-29	SW846 6010C	03-APR-17 20:37	ND	01-APR-17	AA	PB
MC49976-30	Collected: 28-MAR-17 12:28 By: LMFM Received: 29-MAR-17 By: AS PC-8 5-10'					
MC49976-30	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-30	SW846 6010C	03-APR-17 20:41	ND	01-APR-17	AA	PB
MC49976-31	Collected: 28-MAR-17 12:35 By: LMFM Received: 29-MAR-17 By: AS PC-8 10-15'					
MC49976-31	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-31	SW846 6010C	03-APR-17 20:45	ND	01-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-32	Collected: 28 MAR 17 12:35 By: LMFM Received: 29-MAR-17 By: AS					
PC-8 0-15' COMP						
MC49976-32	SW846 7471B	01 APR 17 10:33	JA	01-APR-17	JA	HG
MC49976-32	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-32	SW846 CHAP7/9012 B	03-APR-17 12:29	YZ	02 APR 17	CB	CREAC
MC49976-32	SM2540 G-97	03 APR 17 19:15	JV			SOL104
MC49976-32	SW846 6010C	03-APR-17 20:49	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-32	SM2510B-11M/SW9050A	04 APR 17 04:47	ST			SCON
MC49976-32	SW846 9045D	05 APR 17 11:36	PO			PH
MC49976-32	SW846 1010A/ASTM D93	04 APR 17 16:35	PO			IGN
MC49976-32	SW846 8151	10-APR-17 10:44	VDT	08-APR-17	RF	H8151STD
MC49976-33	Collected: 28-MAR-17 12:40 By: LMFM Received: 29-MAR-17 By: AS					
PC-9 0-5'						
MC49976-33	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-33	SW846 6010C	03-APR-17 20:53	ND	01-APR-17	AA	PB
MC49976-34	Collected: 28-MAR-17 12:45 By: LMFM Received: 29-MAR-17 By: AS					
PC-9 5-10'						
MC49976-34	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-34	SW846 6010C	03-APR-17 20:58	ND	01-APR-17	AA	PB
MC49976-35	Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: AS					
PC-9 10-15'						
MC49976-35	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-35	SW846 6010C	03-APR-17 21:02	ND	01-APR-17	AA	PB
MC49976-36	Collected: 28-MAR-17 12:50 By: LMFM Received: 29-MAR-17 By: AS					
PC-9 0-15' COMP						
MC49976-36	SW846 7471B	01 APR 17 12:44	JA	01-APR-17	JA	HG
MC49976-36	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-36	SW846 CHAP7/9012 B	03-APR-17 12:31	YZ	02-APR-17	CB	CREAC
MC49976-36	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-36	SW846 6010C	03-APR-17 21:15	ND	01-APR-17	AA	AG,AS,BA,CD,CR,PB,SE

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-36	SM2510B-11M/SW9050A	04 APR 17 04:47	ST			SCON
MC49976-36	SW846 9045D	05 APR 17 11:36	PO			PH
MC49976-36	SW846 1010A/ASTM D93	04 APR 17 16:35	PO			IGN
MC49976-36	SW846 8151	10-APR-17 11:13	VDT	08 APR-17	RF	H8151STD
MC49976-37	Collected: 28-MAR-17 12:55 By: LMFM Received: 29-MAR-17 By: AS					
PC-10 0-5'						
MC49976-37	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-37	SW846 6010C	03-APR-17 21:19	ND	01-APR-17	AA	PB
MC49976-38	Collected: 28-MAR-17 13:05 By: LMFM Received: 29-MAR-17 By: AS					
PC-10 5-10'						
MC49976-38	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-38	SW846 6010C	03 APR 17 21:23	ND	01-APR-17	AA	PB
MC49976-39	Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: AS					
PC-10 10-15'						
MC49976-39	SM2540 G-97	03 APR 17 19:15	JV			SOL104
MC49976-39	SW846 6010C	03 APR 17 21:27	ND	01-APR-17	AA	PB
MC49976-40	Collected: 28-MAR-17 13:14 By: LMFM Received: 29-MAR-17 By: AS					
PC-10 0-15' COMP						
MC49976-40	SW846 7471B	01-APR-17 10:36	JA	01-APR-17	JA	HG
MC49976-40	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-40	SW846 CHAP7/9012 B	03-APR-17 12:32	YZ	02-APR-17	CB	CREAC
MC49976-40	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-40	SW846 6010C	03 APR 17 21:31	ND	01-APR-17	AA	AS,BA,CD,CR,PB,SE
MC49976-40	SM2510B-11M/SW9050A	04 APR 17 04:47	ST			SCON
MC49976-40	SW846 6010C	04-APR-17 16:15	AB	01-APR-17	AA	AG
MC49976-40	SW846 9045D	05 APR 17 11:36	PO			PH
MC49976-40	SW846 1010A/ASTM D93	04 APR 17 16:35	PO			IGN
MC49976-40	SW846 8151	07 APR 17 06:54	VDT	05-APR-17	FN	H8151STD
MC49976-41	Collected: 28-MAR-17 13:20 By: LMFM Received: 29-MAR-17 By: AS					
PC-11 0-5'						

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-41	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-41	SW846 6010C	04-APR-17 18:39	AB	02-APR-17	AA	PB
MC49976-42	Collected: 28-MAR-17 13:25 By: LMFM Received: 29-MAR-17 By: AS PC-11 5-10'					
MC49976-42	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-42	SW846 6010C	04-APR-17 18:45	AB	02-APR-17	AA	PB
MC49976-43	Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: AS PC-11 10-15'					
MC49976-43	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-43	SW846 6010C	04-APR-17 18:48	AB	02-APR-17	AA	PB
MC49976-44	Collected: 28-MAR-17 13:33 By: LMFM Received: 29-MAR-17 By: AS PC-11 0-15' COMP					
MC49976-44	SW846 7471B	01-APR-17 10:42	JA	01-APR-17	JA	HG
MC49976-44	SW846 CHAP7 9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-44	SW846 CHAP7/9012 B	03-APR-17 12:33	YZ	02-APR-17	CB	CREAC
MC49976-44	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-44	SM2510B 11M SW9050A	04-APR-17 04:47	ST			SCON
MC49976-44	SW846 6010C	04-APR-17 18:57	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-44	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-44	SW846 1010A/ASTM D93	06-APR-17 16:35	PO			IGN
MC49976-44	SW846 8151	10-APR-17 11:42	VDT	08-APR-17	RF	H8151STD
MC49976-45	Collected: 28-MAR-17 13:40 By: LMFM Received: 29-MAR-17 By: AS PC-12 0-5'					
MC49976-45	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-45	SW846 6010C	04-APR-17 19:00	AB	02-APR-17	AA	PB
MC49976-46	Collected: 28-MAR-17 13:45 By: LMFM Received: 29-MAR-17 By: AS PC-12 5-10'					
MC49976-46	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-46	SW846 6010C	04-APR-17 19:03	AB	02-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-47	Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: AS PC-12 10-15'					
MC49976-47	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-47	SW846 6010C	04-APR-17 19:06	AB	02-APR-17	AA	PB
MC49976-48	Collected: 28-MAR-17 13:50 By: LMFM Received: 29-MAR-17 By: AS PC-12 0-15' COMP					
MC49976-48	SW846 7471B	01-APR-17 10:43	JA	01-APR-17	JA	HG
MC49976-48	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-48	SW846 CHAP7/9012 B	03-APR-17 12:35	YZ	02-APR-17	CB	CREAC
MC49976-48	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-48	SM2510B 11M SW9050A	04-APR-17 04:47	ST			SCON
MC49976-48	SW846 6010C	04-APR-17 19:09	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-48	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-48	SW846 1010A/ASTM D93	06-APR-17 16:35	PO			IGN
MC49976-48	SW846 8151	06-APR-17 19:19	VDT	05-APR-17	FN	H8151STD
MC49976-49	Collected: 28-MAR-17 13:55 By: LMFM Received: 29-MAR-17 By: AS PC-13 0-5'					
MC49976-49	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-49	SW846 6010C	04-APR-17 19:12	AB	02-APR-17	AA	PB
MC49976-50	Collected: 28-MAR-17 14:00 By: LMFM Received: 29-MAR-17 By: AS PC-13 5-10'					
MC49976-50	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-50	SW846 6010C	04-APR-17 19:15	AB	02-APR-17	AA	PB
MC49976-51	Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: AS PC-13 10-15'					
MC49976-51	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-51	SW846 6010C	04-APR-17 19:18	AB	02-APR-17	AA	PB

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-52	Collected: 28-MAR-17 14:07 By: LMFM Received: 29-MAR-17 By: AS PC-13 0-15' COMP					
MC49976-52	SW846 7471B	01-APR-17 10:45	JA	01-APR-17	JA	HG
MC49976-52	SW846 CHAP7/9034	03 APR 17 04:13	MP	02 APR 17	CB	SREAC
MC49976-52	SW846 CHAP7/9012 B	03-APR-17 12:36	YZ	02-APR-17	CB	CREAC
MC49976-52	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-52	SM2510B 11M/SW9050	04 APR 17 04:47	ST			SCON
MC49976-52	SW846 6010C	04-APR-17 19:21	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-52	SW846 9045D	05 APR 17 11:36	PO			PH
MC49976-52	SW846 1010A/ASTM D93	03 APR 17 16:35	PO			IGN
MC49976-52	SW846 8151	06 APR 17 19:48	VDT	05-APR-17	FN	H8151STD
MC49976-53	Collected: 28-MAR-17 14:10 By: LMFM Received: 29-MAR-17 By: AS PC 14 0 5'					
MC49976-53	SM2540 G 97	03-APR-17 19:15	JV			SOL104
MC49976-53	SW846 6010C	04 APR 17 19:30	AB	02-APR-17	AA	PB
MC49976-54	Collected: 28-MAR-17 14:14 By: LMFM Received: 29-MAR-17 By: AS PC 14 5 10'					
MC49976-54	SM2540 G 97	03-APR-17 19:15	JV			SOL104
MC49976-54	SW846 6010C	04-APR-17 19:34	AB	02-APR-17	AA	PB
MC49976-55	Collected: 28-MAR 17 14:18 By: LMFM Received: 29-MAR-17 By: AS PC 14 10-15'					
MC49976-55	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-55	SW846 6010C	04-APR-17 19:37	AB	02-APR-17	AA	PB
MC49976-56	Collected: 28 MAR 17 14:18 By: LMFM Received: 29-MAR-17 By: AS PC 14 0 15' COMP					
MC49976-56	SW846 7471B	01-APR-17 10:47	JA	01-APR-17	JA	HG
MC49976-56	SW846 CHAP7/9034	03-APR-17 04:13	MP	02 APR 17	CB	SREAC
MC49976-56	SW846 CHAP7/9012 B	03-APR-17 12:37	YZ	02-APR-17	CB	CREAC
MC49976-56	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-56	SM2510B 11M/SW9050	04 APR 17 04:47	ST			SCON

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-56	SW846 6010C	04-APR-17 19:40	AB	02 APR 17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-56	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-56	SW846 1010A/ASTM D93	03 APR 17 16:35	PO			IGN
MC49976-56	SW846 8151	06-APR-17 20:16	VDT	05-APR-17	FN	H8151STD
MC49976-57	Collected: 28-MAR-17 14:20 By: LMFM Received: 29-MAR-17 By: AS PC-15 0-5'					
MC49976-57	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-57	SW846 6010C	04 APR 17 19:43	AB	02-APR-17	AA	PB
MC49976-58	Collected: 28-MAR-17 14:22 By: LMFM Received: 29-MAR-17 By: AS PC-15 5-10'					
MC49976-58	SM2540 G 97	03 APR 17 19:15	JV			SOL104
MC49976-58	SW846 6010C	04-APR-17 19:46	AB	02-APR-17	AA	PB
MC49976-59	Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: AS PC 15 10-15'					
MC49976-59	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-59	SW846 6010C	04 APR 17 19:49	AB	02-APR-17	AA	PB
MC49976-60	Collected: 28-MAR-17 14:28 By: LMFM Received: 29-MAR-17 By: AS PC-15 0-15' COMP					
MC49976-60	SW846 7471B	01-APR-17 10:49	JA	01-APR-17	JA	HG
MC49976-60	SW846 CHAP7/9034	03 APR 17 04:13	MP	02-APR-17	CB	SREAC
MC49976-60	SW846 CHAP7/9012 B	03-APR-17 12:39	YZ	02 APR 17	CB	CREAC
MC49976-60	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-60	SM2510B 11M/SW9050	04 APR 17 04:47	ST			SCON
MC49976-60	SW846 6010C	04 APR 17 19:52	AB	02-APR-17	AA	AG,AS,BA,CD,CR,PB,SE
MC49976-60	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-60	SW846 1010A/ASTM D93	03 APR 17 16:35	PO			IGN
MC49976-60	SW846 8151	06-APR-17 22:40	VDT	05-APR-17	FN	H8151STD
MC49976-61	Collected: 28-MAR-17 14:30 By: LMFM Received: 29-MAR-17 By: AS PC-16A 0-5'					
MC49976-61	SM2540 G-97	03-APR-17 19:15	JV			SOL104

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-61	SW846 6010C	05-APR-17 14:29	AB	02-APR-17	AA	PB
MC49976-62	Collected: 28-MAR-17 14:38 By: LMFM Received: 29-MAR-17 By: AS PC-16B 0-5'					
MC49976-62	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-62	SW846 6010C	05-APR-17 14:32	AB	02-APR-17	AA	PB
MC49976-63	Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: AS PC-16C 0-5'					
MC49976-63	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-63	SW846 6010C	04-APR-17 21:27	AB	02-APR-17	AA	PB
MC49976-64	Collected: 28-MAR-17 14:45 By: LMFM Received: 29-MAR-17 By: AS PC-16 0-5' COMP					
MC49976-64	SW846 7471B	01-APR-17 10:50	JA	01-APR-17	JA	HG
MC49976-64	SW846 CHAP7 9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-64	SW846 CHAP7/9012 B	03-APR-17 12:43	YZ	02-APR-17	CB	CREAC
MC49976-64	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-64	SM2510B-11M/SW9050	04-APR-17 04:47	ST			SCON
MC49976-64	SW846 6010C	04-APR-17 21:30	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-64	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-64	SW846 6010C	05-APR-17 14:35	AB	02-APR-17	AA	AG,BA,CD
MC49976-64	SW846 1010A/ASTM D93	08-APR-17 16:35	PO			IGN
MC49976-64	SW846 8151	10-APR-17 12:11	VDT	08-APR-17	RF	H8151STD
MC49976-65	Collected: 28-MAR-17 14:58 By: LMFM Received: 29-MAR-17 By: AS PC-17A 0-5'					
MC49976-65	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-65	SW846 6010C	04-APR-17 21:33	AB	02-APR-17	AA	PB
MC49976-66	Collected: 28-MAR-17 15:05 By: LMFM Received: 29-MAR-17 By: AS PC-17B 0-5'					
MC49976-66	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-66	SW846 6010C	04-APR-17 21:36	AB	02-APR-17	AA	PB

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Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-67	Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: AS PC 17C 0-5'					
MC49976-67	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-67	SW846 6010C	04-APR-17 21:39	AB	02-APR-17	AA	PB
MC49976-68	Collected: 28-MAR-17 15:12 By: LMFM Received: 29-MAR-17 By: AS PC 17 0-5' COMP					
MC49976-68	SW846 7471B	01-APR-17 10:52	JA	01-APR-17	JA	HG
MC49976-68	SW846 CHAP7.9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-68	SW846 CHAP7/9012 B	03-APR-17 12:55	YZ	02-APR-17	CB	CREAC
MC49976-68	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-68	SM2510B-11M SW9050	04-APR-17 04:47	ST			SCON
MC49976-68	SW846 6010C	04-APR-17 21:42	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-68	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-68	SW846 6010C	05-APR-17 14:39	AB	02-APR-17	AA	AG,BA,CD
MC49976-68	SW846 1010A/ASTM D93	08-APR-17 16:35	PO			IGN
MC49976-68	SW846 8151	10-APR-17 12:40	VDT	08-APR-17	RF	H8151STD
MC49976-69	Collected: 28-MAR-17 15:18 By: LMFM Received: 29-MAR-17 By: AS PC-18A 0-5'					
MC49976-69	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-69	SW846 6010C	04-APR-17 21:00	AB	02-APR-17	AA	PB
MC49976-70	Collected: 28-MAR-17 15:28 By: LMFM Received: 29-MAR-17 By: AS PC 18B 0-5'					
MC49976-70	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-70	SW846 6010C	04-APR-17 21:45	AB	02-APR-17	AA	PB
MC49976-71	Collected: 28-MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: AS PC 18C 0-5'					
MC49976-71	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-71	SW846 6010C	04-APR-17 21:54	AB	02-APR-17	AA	PB

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Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-72	Collected: 28-MAR-17 15:33 By: LMFM Received: 29-MAR-17 By: AS					
	PC-18 0-5' COMP					
MC49976-72	SW846 7471B	01-APR-17 10:54	JA	01-APR-17	JA	HG
MC49976-72	SW846 CHAP7/9034	03-APR-17 04:13	MP	02-APR-17	CB	SREAC
MC49976-72	SW846 CHAP7/9012 B	03-APR-17 12:46	YZ	02-APR-17	CB	CREAC
MC49976-72	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-72	SM2510B-11M/SW9050A/M	04-APR-17 04:47	ST			SCON
MC49976-72	SW846 6010C	04-APR-17 21:57	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-72	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-72	SW846 6010C	05-APR-17 14:42	AB	02-APR-17	AA	AG,BA,CD
MC49976-72	SW846 1010A/ASTM D93	06-APR-17 16:35	PO			IGN
MC49976-72	SW846 8151	07-APR-17 00:06	VDT	05-APR-17	FN	H8151STD
MC49976-73	Collected: 28-MAR-17 15:36 By: LMFM Received: 29-MAR-17 By: AS					
	PC 19A 0 5'					
MC49976-73	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-73	SW846 6010C	04-APR-17 22:00	AB	02-APR-17	AA	PB
MC49976-74	Collected: 28-MAR-17 15:38 By: LMFM Received: 29-MAR-17 By: AS					
	PC 19B 0 5'					
MC49976-74	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-74	SW846 6010C	04-APR-17 22:03	AB	02-APR-17	AA	PB
MC49976-75	Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: AS					
	PC 19C 0 5'					
MC49976-75	SM2540 G-97	03-APR-17 19:15	JV			SOL104
MC49976-75	SW846 6010C	04-APR-17 22:06	AB	02-APR-17	AA	PB
MC49976-76	Collected: 28-MAR-17 15:45 By: LMFM Received: 29-MAR-17 By: AS					
	PC-19 0-5' COMP					
MC49976-76	SW846 7471B	01-APR-17 10:56	JA	01-APR-17	JA	HG
MC49976-76	SW846 CHAP7/9034	03-APR-17 01:13	MP	02-APR-17	CB	SREAC
MC49976-76	SW846 CHAP7/9012 B	03-APR-17 12:54	YZ	02-APR-17	CB	CREAC
MC49976-76	SM2540 G-97	03-APR-17 19:15	JV			SOL104

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC49976

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC49976-76	SM2510B-11M/SW9050A/M	04-APR-17 04:47	ST			SCON
MC49976-76	SW846 6010C	04-APR-17 22:09	AB	02-APR-17	AA	AS,CR,PB,SE
MC49976-76	SW846 9045D	05-APR-17 11:36	PO			PH
MC49976-76	SW846 6010C	05-APR-17 14:45	AB	02-APR-17	AA	AG,BA,CD
MC49976-76	SW846 1010A/ASTM D93	06-APR-17 16:35	PO			IGN
MC49976-76	SW846 8151	07-APR-17 00:35	VDT	05-APR-17	FN	H8151STD

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: SGS Accutest New England
Project: ENVTRAC Maggiore Somerville, 343 351 Summer Street, Somerville, MA
Collected: 03-28-17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP1615	SW846 8151						
OP1615-BS1	94-75-7	2,4-D	BSP	REC	108	%	40-140
OP1615-BS1	93-72-1	2,4,5-TP (Silvex)	BSP	REC	109	%	40-140
OP1615-BS1	93-76-5	2,4,5-T	BSP	REC	101	%	40-140
OP1615-BS1	19719-28-9	2,4-DCAA (sig#1)	BSP	SURR	102	%	30-150
OP1615-BS1	19719-28-9	2,4-DCAA (sig#2)	BSP	SURR	99	%	30-150
OP1615-BSD	94-75-7	2,4-D	BSD	REC	100	%	40-140
OP1615-BSD	94-75-7	2,4-D	BSD	RPD	8	%	25
OP1615-BSD	93-72-1	2,4,5-TP (Silvex)	BSD	REC	104	%	40-140
OP1615-BSD	93-72-1	2,4,5-TP (Silvex)	BSD	RPD	5	%	25
OP1615-BSD	93-76-5	2,4,5-T	BSD	REC	95	%	40-140
OP1615-BSD	93-76-5	2,4,5-T	BSD	RPD	6	%	25
OP1615-BSD	19719-28-9	2,4-DCAA (sig#1)	BSD	SURR	102	%	30-150
OP1615-BSD	19719-28-9	2,4-DCAA (sig#2)	BSD	SURR	98	%	30-150
OP1615-MB1	19719-28-9	2,4-DCAA (sig#1)	MB	SURR	84	%	30-150
OP1615-MB1	19719-28-9	2,4-DCAA (sig#2)	MB	SURR	97	%	30-150
MC49976-8	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	122	%	30-150
MC49976-8	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	86	%	30-150
MC49976-20	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	60	%	30-150
MC49976-20	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	90	%	30-150
MC49976-40	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	49	%	30-150
MC49976-40	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	75	%	30-150
MC49976-48	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	45	%	30-150
MC49976-48	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	94	%	30-150
MC49976-52	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	60	%	30-150
MC49976-52	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	152 [a]	%	30-150
MC49976-56	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	122	%	30-150
MC49976-56	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	156 [a]	%	30-150
MC49976-60	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	39	%	30-150
MC49976-60	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	65	%	30-150
MC49976-72	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	39	%	30-150
MC49976-72	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	51	%	30-150
MC49976-76	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	120	%	30-150
MC49976-76	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	173 [a]	%	30-150
OP1744	SW846 8151						
OP1744-BS1	94-75-7	2,4-D	BSP	REC	76	%	40-140
OP1744-BS1	93-72-1	2,4,5-TP (Silvex)	BSP	REC	86	%	40-140
OP1744-BS1	93-76-5	2,4,5-T	BSP	REC	74 [b]	%	40-140
OP1744-BS1	19719-28-9	2,4-DCAA (sig#1)	BSP	SURR	86	%	30-150
OP1744-BS1	19719-28-9	2,4-DCAA (sig#2)	BSP	SURR	90	%	30-150
OP1744-BSD	94-75-7	2,4-D	BSD	REC	80	%	40-140

* Sample used for QC is not from job MC49976

QC Evaluation: MA MCP Limits

Job Number: MC49976
Account: SGS Accutest New England
Project: ENVTRAC Maggiore Somerville, 343 351 Summer Street, Somerville, MA
Collected: 03-28-17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP1744-BSD	94-75-7	2,4-D	BSD	RPD	7	%	25
OP1744-BSD	93-72-1	2,4,5-TP (Silvex)	BSD	REC	87	%	40-140
OP1744-BSD	93-72-1	2,4,5-TP (Silvex)	BSD	RPD	1	%	25
OP1744-BSD	93-76-5	2,4,5-T	BSD	REC	75 [b]	%	40-140
OP1744-BSD	93-76-5	2,4,5-T	BSD	RPD	2 [b]	%	25
OP1744-BSD	19719-28-9	2,4-DCAA (sig#1)	BSD	SURR	84	%	30-150
OP1744-BSD	19719-28-9	2,4-DCAA (sig#2)	BSD	SURR	90	%	30-150
OP1744-MB1	19719-28-9	2,4-DCAA (sig#1)	MB	SURR	75	%	30-150
OP1744-MB1	19719-28-9	2,4-DCAA (sig#2)	MB	SURR	92	%	30-150
MC49976-4	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	73	%	30-150
MC49976-4	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	87	%	30-150
MC49976-12	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	64	%	30-150
MC49976-12	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	73	%	30-150
MC49976-16	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	72	%	30-150
MC49976-16	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	80	%	30-150
MC49976-24	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	85	%	30-150
MC49976-24	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	86	%	30-150
MC49976-28	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	90	%	30-150
MC49976-28	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	67	%	30-150
MC49976-32	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	93	%	30-150
MC49976-32	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	66	%	30-150
MC49976-36	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	100	%	30-150
MC49976-36	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	73	%	30-150
MC49976-44	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	102	%	30-150
MC49976-44	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	75	%	30-150
MC49976-64	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	111	%	30-150
MC49976-64	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	82	%	30-150
MC49976-68	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	109	%	30-150
MC49976-68	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	83	%	30-150

(a) High percent recoveries and no positive found in the sample.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* Sample used for QC is not from job MC49976

10.3 10

GC Semi-volatiles

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1615-MB1	OA125116.D	1	04/06/17	VDT	04/05/17	OP1615	GOA4281

The QC reported here applies to the following samples: Method: SW846 8151

MC49976-8, MC49976-20, MC49976-40, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-72, MC49976 76

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	17	ug/kg	
93 72 1	2,4,5 TP (Silvex)	ND	3.3	ug/kg	
93-76-5	2,4,5-T	ND	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	97%	10-159%
19719-28-9	2,4-DCAA	84%	10 159%

Method Blank Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1744-MB1	OA125175.D	1	04/10/17	VDT	04/08/17	OP1744	GOA4283

The QC reported here applies to the following samples: Method: SW846 8151

MC49976-4, MC49976-12, MC49976-16, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-44, MC49976-64, MC49976-68

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	17	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	ug/kg	
93-76-5	2,4,5-T	ND	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	92%	10-159%
19719-28-9	2,4-DCAA	75%	10-159%

11.1.2

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1615-BS1	OA125117.D	1	04/06/17	VDT	04/05/17	OP1615	GOA4281
OP1615-BSD	OA125118.D	1	04/06/17	VDT	04/05/17	OP1615	GOA4281

The QC reported here applies to the following samples: Method: SW846 8151

MC49976-8, MC49976-20, MC49976-40, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-72, MC49976-76

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	133	144	108	133	100	8	39-153/30
93-72-1	2,4,5-TP (Silvex)	26.7	29.1	109	27.8	104	5	49-139/30
93-76-5	2,4,5-T	26.7	27.0	101	25.4	95	6	37-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
19719-28-9	2,4-DCAA	99%	98%	10-159%
19719-28-9	2,4-DCAA	102%	102%	10-159%

11.2.1

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP1744-BS1	OA125176.D	1	04/10/17	VDT	04/08/17	OP1744	GOA4283
OP1744-BSD	OA125177.D	1	04/10/17	VDT	04/08/17	OP1744	GOA4283

The QC reported here applies to the following samples: Method: SW846 8151

MC49976-4, MC49976-12, MC49976-16, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-44, MC49976-64, MC49976-68

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	133	101	76	106	80	7	39-153/30
93-72-1	2,4,5-TP (Silvex)	26.7	22.9	86	23.1	87	1	49-139/30
93-76-5	2,4,5-T	26.7	19.6	74 [a]	20.0	75 [a]	2 [a]	37-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
19719-28-9	2,4-DCAA	90%	90%	10-159%
19719-28-9	2,4-DCAA	86%	84%	10-159%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC49976
Account: ALNE SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8151 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC49976-4	OA125178.D	87	73
MC49976-8	OA125122.D	86	122
MC49976-12	OA125179.D	73	64
MC49976-16	OA125180.D	80	72
MC49976-20	OA125128.D	90	60
MC49976-24	OA125181.D	86	85
MC49976-28	3G107743.D	67	90
MC49976-32	3G107744.D	66	93
MC49976-36	3G107745.D	73	100
MC49976-40	OA125133.D	75	49
MC49976-44	3G107746.D	75	102
MC49976-48	3G107673.D	94	45
MC49976-52	3G107674.D	152 [c]	60
MC49976-56	3G107675.D	156 [c]	122
MC49976-60	3G107680.D	65	39
MC49976-64	3G107747.D	82	111
MC49976-68	3G107748.D	83	109
MC49976-72	3G107683.D	51	39
MC49976-76	3G107684.D	173* [c]	120
OP1615-BS1	OA125117.D	99	102
OP1615-BSD	OA125118.D	98	102
OP1615-MB1	OA125116.D	97	84
OP1744-BS1	OA125176.D	90	86
OP1744-BSD	OA125177.D	90	84
OP1744-MB1	OA125175.D	92	75

Surrogate Compounds	Recovery Limits
S1 = 2,4-DCAA	10-159%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1
(c) High percent recoveries and no positive found in the sample.

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Part 2 - Method Blanks

Account: AINE - SGS Accutest New England
Project: ENOTRAD: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99632
Matrix Type: SOLID
Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/01/17

Barium	20	.03	.081	0.020	<20
Beryllium	0.20	.02	.022		
Boron	10	.18	.45		
Cadmium	0.50	.03	.05		
Calcium	500	3.4	1.9		
Chromium	1.0	.07	.12	0.15	<1.0
Cobalt	5.0	.03	.054		
Copper	2.5	.03	.22		
Iron	50	.42	.79		
Lead	2.0	.16	.22	0.060	<2.0
Lithium	2.0	.31	.45		
Molybdenum	2.0	.05	.081		
Nickel	4.0	.06	.076		
Palladium	5.0	.21	.47		
Phosphorus	10	.27	.47		
Potassium	1000	8.2	18		
Selenium	2.0	.42	.46	-0.010	<2.0
Silicon	20	.23	3.7		
Silver	0.50	.1	.099	0.010	<0.50
Sodium	1000	2.5	3.9		
Sulfur	5.0	.41	.59		
Thallium	1.0	.35	.4		
Tin	5.0	.15	.53		
Titanium	1.0	.07	.13		
Tungsten	5.0	.18	.33		
Vanadium	5.0	.05	.083		

Page 1

Part 2 - Method Blanks

Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99632 Methods: SW846 6010C

Metal	Blank Result	Blank RDL	Blank MDL	Blank Conc.	Blank Qual
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Palladium					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Sulfur					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					

Associated samples MP99632: MC49976-1, MC49976-2, MC49976-3, MC49976-4, MC49976-5, MC49976-6, MC49976-7, MC49976-8, MC49976-9, MC49976-10, MC49976-11, MC49976-12, MC49976-13, MC49976-14, MC49976-15, MC49976-16,

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99632
Matrix Type: SOLID
Methods: SW846 6010C

Prep Date: 04/01/17 04/01/17

Metal	LCS Result	Spikelot RDL	Spikelot MDL	QC Limits	LCS Result	Spikelot RDL	Spikelot MDL	QC Limits
Aluminum								
Antimony								
Arsenic	137	145	94.5	79-121	126	145	86.9	[illegible]
Barium	192	[illegible]	91.9	83-117	182	209	87.1	[illegible]
Beryllium								
Boron								
Cadmium	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Calcium								
Chromium	141	145	98.6	80-120	128	143	89.5	80-120
Cobalt								
Copper								
Iron								
Lead	149	146	102.1	82-118	135	146	92.5	82-118
Lithium								
Magnesium								
Manganese								
Molybdenum								
Nickel								
Palladium								
Phosphorus								
Potassium								
Selenium	169	178	94.9	79-121	153	175	86.0	[illegible]
Silicon								
Silver	[illegible]	[illegible]	95.4	[illegible]	[illegible]	[illegible]	87.9	[illegible]
Sodium								
Strontium								
Sulfur								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								

Matrix Type: SOLID

Method: SW846 6010C
Units: ug/l

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99632
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Associated samples MP99632: MC49976-1, MC49976-2, MC49976-3, MC49976-4, MC49976-5, MC49976-6, MC49976-7,

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99633
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/01/17

Metal	RL	IDL	MDL	MB raw	final
Aluminum	40	1			
Antimony	2.0	.1	.1		
Arsenic	2.0	1	.1	0.04	<2.0
Barium	20	.02	.081	0.11	<20
Beryllium	0.20	.005	.022		
Bismuth	2.0	.18	.24		
Boron	10	.12	.45		
Cadmium	0.50	.03	.05	0.030	<0.50
Calcium	500	1.4	1.9		
Chromium	1.0	.06	.12	0.020	<1.0
Cobalt	5.0	.03	.059		
Copper	2.5	.07	.22		
Iron	50	.36	.79		
Lead	2.0	.11	.22	0.090	<2.0
Lithium	2.0	.14	.45		
Magnesium	500	1.9	5.9		
Manganese	1.5	.01	.036		
Molybdenum	2.0	.05	.081		
Nickel	4.0	.06	.076		
Palladium	5.0	.22	.47		
Phosphorus	10	.2	.47		
Potassium	1000	2.3	18		
Selenium	2.0	.35	.46	0.23	<2.0
Silicon	[illegible]	[illegible]	[illegible]		
Silver	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sodium	[illegible]	[illegible]	[illegible]		
Strontium	[illegible]	[illegible]	[illegible]		
Sulfur	[illegible]	[illegible]	[illegible]		
Thallium	[illegible]	[illegible]	[illegible]		
Tin	[illegible]	[illegible]	[illegible]		
Titanium	[illegible]	[illegible]	[illegible]		
Tungsten	[illegible]	[illegible]	[illegible]		
Vanadium	[illegible]	[illegible]	[illegible]		

Methods: SW846 6010C

MC49976-24, MC49976-25, MC49976-26,
MC49976-37, MC49976-38, MC49976-39, MC49976-40

12.2.1

12

Account: AIMS - SMS Accutest New England
Project: ENVIRAC: Maiziere Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: ME99633 Methods: SW846 6010C

Prep Date: 04/01/17 04/01/17

		Spikelot		QC	LCS	Spikelot		QC
Arsenic	153	145	105.5	79-121	132	145	91.0	79-121
Barium	220	209	105.3	83-117	193	209	92.3	83-117
Cadmium	95.3	87.6	108.8	83-118	79.8	87.6	91.1	83-118
Chromium	150	143	104.9	80-120	131	143	91.6	80-120
Cobalt								
Iron								
Lead	162	146	111.0	82-118	144	146	98.6	82-118
Manganese								
Molybdenum								
Nickel								
Phosphorus								
Potassium								
Selenium	186	178	104.5	79-121	162	178	91.0	79-121
Sodium								
Tin								
Titanium								

12.2.1

12

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Account: ALNE - SGS Accutest New England
Project: ENVIRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99633
Matrix Type: SOLID
Units: mg/kg

Prep Date: 04/01/17 04/01/17

	Spikelot	QC	LCS	Spikelot	QC

MC49976-4, MC49976-5, MC49976-6, MC49976-7, MC49976-8, MC49976-9, MC49976-10, MC49976-11, MC49976-12, MC49976-13, MC49976-14, MC49976-15, MC49976-16, MC49976-17, MC49976-18, MC49976-19, MC49976-20, MC49976-21, MC49976-22, MC49976-23, MC49976-24, MC49976-25, MC49976-26, MC49976-27, MC49976-28, MC49976-29, MC49976-30, MC49976-31, MC49976-32, MC49976-33, MC49976-34, MC49976-35, MC49976-36, MC49976-37, MC49976-38, MC49976-39, MC49976-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Account: ALNE - SGS Accutest New England
Project: ENVIRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99633
Methods: SW846 6010C

Prep Date: 04/01/17

Metal	MC49976-22 Original	SDL 1:5	%DIF	QC Limits
Aluminum	17.	1..	2.. (a)	0-10
Barium	111	113	2.2	0-10
Beryllium				
Bismuth				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	82.3	86.9	5.6	0-10
Cobalt				
Copper				
Iron				
Lead	.1..	_1..	13.? (a)	1
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Palladium				
Phosphorus				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	1..	1..	100.0(a)	.
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				

SGS ACCUTEST

New England
Summer Street, Somerville, MA

samples MP99633: MC49976-21, MC49976-22, MC49976-23, MC49976-24, MC49976-25, MC49976-26, , MC49976-28, MC49976-29, MC49976-30, MC49976-31, MC49976-32, MC49976-33, MC49976-34, MC49976-

(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

QC Batch ID: MP99635
Matrix Type: SOLID

Prep Date: 04/01/1'

				Me	
Mercury	0.033	.0096	.0053	0.0075	<0.033

Associated samples MP99635: MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99635

Prep Date: 04/01/17 04/01/17

						Spikelot HGLCS54085% Rec	QC Limits
Mercury	0.37	0.333	111.1	80-120	9.1	8.37	108.7	73-128

Associated samples MP99635: MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, [illegible] 60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

[illegible]

Prep Date: 04/01/17

[illegible]	LCS Result	Spikelot HGLCS54085% Rec	QC Limits
Mercury	9.1	8.37	108.7	73-128

Associated samples MP99635: MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, [illegible] 60, MC49976-64, MC49976-68, MC49976-72, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

[illegible]

[illegible]

[illegible]

Login Number: MC49976
Account: AINE - SGS Accutest New England
[illegible] 343 - [illegible] MA

Methods: SW846 [illegible]

[illegible] 4/ /17

	LCS Result	Spikelot MPLC54091% Rec	QC [illegible]	LCS [illegible]	Spikelot [illegible]	[illegible]	[illegible]
Antimony							
[illegible]	[illegible]	145	87.6	79-121	129	145	[illegible] 79-121
Barium	180	209	86.1	83-117	187	209	[illegible] 83-117
Beryllium							
Bismuth							
[illegible]					76.3	87.6	[illegible] 83-116
[illegible]		143	88.8	80-120	132	143	[illegible]
[illegible]							
Lead	133	[illegible]	[illegible]	[illegible]	133	146	[illegible] 82-118
[illegible]							
Manganese							
Molybdenum							
[illegible]							
Palladium							
[illegible]							
[illegible]							
Selenium	157	178	88.2	79-121	158	178	88.8 [illegible]
[illegible]							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26.5	[illegible]	[illegible] 75-125
[illegible]							
[illegible]							
Sulfur							
[illegible]							
Tin							
[illegible]							
Tungsten							
Vanadium							

12.4.2 12

Login Number: MC49976
Account: AINE - SGS Accutest New England
[illegible] Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99640
[illegible]

Methods: SW846 6010C
[illegible]

Prep Date: 04/02/17 04/02/17

[illegible]	LCS Result	Spikelot [illegible]	QC Limits	LCS Result	Spikelot MPLC54091% Rec	QC [illegible]
Zinc						

[illegible] MC49976-41, MC49976-42, MC49976-43, MC49976-44, MC49976-45, MC49976-46, MC49976-47, MC49976-48, MC49976-49, MC49976-50, MC49976-51, MC49976-52, MC49976-53, MC49976-54, MC49976-55, MC49976-56, MC49976-57, MC49976-58, MC49976-59, MC49976-60

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

12.4.2 12

		30.9	4.0	0-10
	143	145	1.0	0-10
Beryllium				
Boron				
Cadmium	0.700	0.00	100.0(a)	0-10
Chromium	140	149	6.0	0-10
Copper				
Iron				
Lead	143	148	3.8	0-10
Molybdenum				
Nickel				
Palladium				
Potassium				
Selenium	7.60	0.00	100.0(a)	0-10
Sodium				
Sulfur				
Tin				
Tungsten				
Vanadium				

04/02/17

Metal	Original SDL 1:5	%DIF	Limits

Zirconium

Associated samples MP99640: MC49976-41, MC49976-42, MC49976-43, MC49976-44, MC49976-45, MC49976-46, MC49976-47, MC49976-48, MC49976-49, MC49976-50, MC49976-51, MC49976-52, MC49976-53, MC49976-54, MC49976-55, MC49976-56, MC49976-57, MC49976-58, MC49976-59, MC49976-60

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr, Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99641 Methods: SW846 6010C

Prep Date: 04/02/17

Metals	RL	IDL	MDL	MB raw	final
Aluminum	50	1.7	2		
Antimony	2.0	.24	.29		
[illegible]					
Barium	20	.07	.081	-0.050	<20
Beryllium	0.20	.01	.022		
Bismuth	2.0	.2	.24		
Boron	10	.18	.45		
Cadmium	0.50	.05	.05	0.010	<0.50
Calcium	500	1.5	1.9		
Chromium	1.0	.07	.12	0.15	<1.0
Cobalt	5.0	.06	.059		
Copper	2.5	.03	.22		
Iron	50	.42	.79		
Lead	2.0	.16	.22	0.020	<2.0
Lithium	2.0	.31	.45		
[illegible]					
Manganese	1.5	.02	.036		
Molybdenum	2.0	.05	.081		
Nickel	4.0	.06	.076		
Palladium	5.0	.21	.47		
Phosphorus	10	.27	.47		
Potassium	1000	8.2	18		
[illegible]					
[illegible]					
Silver	0.50	.1	.099	-0.060	<0.50
Sodium	1000	2.5	3.9		
[illegible]					
Sulfur	5.0	.23	.59		
[illegible]					
Tin	5.0	.12	.53		
Titanium	1.0	.07	.13		
Tungsten	5.0	.18	.33		
Vanadium	5.0	.05	.083		

12.5.1

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[illegible] Blanks
Part 2 - Method Blanks

[illegible]
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99641 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 04/02/17

Metals	RL	IDL	MDL	MB raw	final
Zinc	5.0	.13	.22		
Zirconium	2.0	.05	.13		

[illegible] MC49976-71, [illegible] MC49976-75, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

12.5.1

12

		190	87.2	80-120	119	145	82.1	79-121
		190	88.7	80-120	187	209	89.5	83-117
Boron								
Calcium	anr							
Cobalt	anr							
Copper	anr							
Lead	170	190	89.3	80-120	123	146	84.2	82-118
Manganese	anr							
Nickel	anr							
Phosphorus								
Selenium	163	190	85.6	80-120	145	178	81.5	79-121
Silver	21.2	23.8	89.0	80-120	25.0	31.3	79.9	75-125
Sodium	anr							
Sulfur								
Thallium	anr							
Vanadium	anr							

QC Batch ID: MP99641 Methods: SW846 6010C

Prep Date: 04/02/17 04/02/17

	BSP	Spikelot	QC	LCS	Spikelot	

Associated samples MP99641: MC49976-61, MC49976-62, MC49976-63, MC49976-64, MC49976-65, MC49976-66, [illegible] 75, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99641 Methods: SW846 6010C

	LCS	Spikelot		QC
Aluminum	anr			
Antimony	anr			
Arsenic	122	145	84.1	79-121
Barium	178	209	85.2	83-117
Beryllium	anr			
Bismuth				
Boron				
Cadmium	72.8	87.6	83.1	83-118
Calcium	anr			
Chromium	124	143	86.7	80-120
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	127	146	87.0	82-118
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Phosphorus				
Potassium	anr			
Selenium	149	178	83.7	79-121
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Tin				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99641 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Metal	LCS Result	Spikelot MP99641% Rec	QC Limits
Zinc	anr		
Zirconium			

Associated samples MP99641: MC49976-61, MC49976-62, MC49976-63, MC49976-64, MC49976-65, MC49976-66, MC49976-67, MC49976-68, MC49976-69, MC49976-70, MC49976-71, MC49976-72, MC49976-73, MC49976-74, MC49976-75, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

	.5	72.3	4.0	0-10
		259	3.1	0-10
	anr			
		120	1.6	0-10
		554	4.0	
	anr			
	anr			
	anr			

QC Batch ID: MP99641
Matrix Type: SOLID

Associated samples MP99641: MC49976-61, MC49976-62, MC49976-63, MC49976-64, MC49976-65, MC49976-66, MC49976-67, MC49976-68, MC49976-69, MC49976-70, MC49976-71, MC49976-72, MC49976-73, MC49976-74, MC49976-75, MC49976-76

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

SGS ACCUTEST
New England

Section 13

General Chemistry

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

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METHOD BLANK AND SPIKE RESULTS SUMMARY

Login Number: MC49976
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Analyte	QC batch ID	MB result	MB units	Spike amount	BSP result	BSP recovery	QC limits
Cyanide Reactivity	GP4318/GN61774	10	0.0	mg/kg	100	2.47	2.5	.5-25*
Cyanide Reactivity	GP4320/GN61774	10	0.0	mg/kg	100	1.85	1.9	.5-25*
[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sulfide Reactivity	GP4319/GN61778	100	0.0	mg/kg	529	295	55.8	42-112*

[illegible]
Batch GP4318: MC49976-4, MC49976-8, MC49976-12, MC49976-16, MC49976-20, MC49976-24, MC49976-28, MC49976-32, MC49976-36, MC49976-40, MC49976-44, MC49976-48, MC49976-52, MC49976-56, MC49976-60, MC49976-64, MC49976-68, MC49976-72, MC49976-76, MC49976-80, MC49976-84, MC49976-88, MC49976-92, MC49976-96, MC49976-100, MC49976-104, MC49976-108, MC49976-112, MC49976-116, MC49976-120, MC49976-124, MC49976-128, MC49976-132, MC49976-136, MC49976-140, MC49976-144, MC49976-148, MC49976-152, MC49976-156, MC49976-160,

SGS ACCUTEST
New England

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Automated Report

Technical Report for

EnviroTrac, Ltd.

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

03.990202.00

SGS Accutest Job Number: MC50005

Sampling Date: 03/31/17

Report to:

EnviroTrac
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Sharon, MA 02067
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Total number of pages in report: 87

NELAP ACCREDITED LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) LA (AI171119) ND (R-188) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC50005-1	03/31/17	11:16	LMHH	04/03/17	AQ	Ground Water	MW 1
MC50005-1F	03/31/17	11:16	LMHH	04/03/17	AQ	Groundwater Filtered	MW-1
MC50005-2	03/31/17	10:14	LMHH	04/03/17	AQ	Ground Water	MW-2
MC50005 2F	03/31/17	10:14	LMHH	04/03/17	AQ	Groundwater Filtered	MW 2
MC50005 3	03/31/17	08:34	LMHH	04/03/17	AQ	Ground Water	MW-3
MC50005-3F	03/31/17	08:34	LMHH	04/03/17	AQ	Groundwater Filtered	MW-3
MC50005-4	03/31/17	09:21	LMHH	04/03/17	AQ	Ground Water	MW-103
MC50005-4F	03/31/17	09:21	LMHH	04/03/17	AQ	Groundwater Filtered	MW 103
MC50005-5	03/31/17	12:23	LMHH	04/03/17	AQ	Ground Water	MW-108
MC50005-5F	03/31/17	12:23	LMHH	04/03/17	AQ	Groundwater Filtered	MW 108
MC50005-6	03/31/17	10:31	LMHH	04/03/17	AQ	Ground Water	B-2/MW
MC50005 6F	03/31/17	10:31	LMHH	04/03/17	AQ	Groundwater Filtered	B-2/MW
MC50005-7	03/31/17	11:33	LMHH	04/03/17	AQ	Ground Water	B 3/MW

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC50005 7F	03/31/17	11:33	LMHH04/03/17	AQ	Groundwater Filtered	B-3/MW
MC50005-8	03/31/17	12:19	LMHH04/03/17	AQ	Ground Water	MW-105
MC50005-8F	03/31/17	12:19	LMHH04/03/17	AQ	Groundwater Filtered	MW-105
MC50005-9	03/31/17	09:37	LMHH04/03/17	AQ	Ground Water	MW-106
MC50005-9F	03/31/17	09:37	LMHH04/03/17	AQ	Groundwater Filtered	MW-106
MC50005 10	03/31/17	08:45	LMHH04/03/17	AQ	Ground Water	MW 107
MC50005 10F	03/31/17	08:45	LMHH04/03/17	AQ	Groundwater Filtered	MW-107

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EnviroTrac, Ltd. **Job No** MC50005

Site: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA **Report Date** 4/10/2017 4:37:10 PM

10 Sample(s) were collected on 03/31/2017 and were received at SGS Accutest New England on 04/03/2017 properly preserved, at 2.8 Deg. C and intact. These Samples received a job number of MC50005. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages

Extractables by GCMS By Method SW846 8270D BY SIM

Matrix: AQ **Batch ID:** OP49583

- All samples were extracted within the recommended method holding time
- All samples were analyzed within the recommended method holding time
- Sample(s) MC50005-1 through MC50005-10 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank
- Continuing calibration check standard MSI3973-CC3952 for Benzo[b]fluoranthene exceed 20% Difference (biased high) Meets MCP technical requirements
- Quadratic regression is employed for initial calibration standard for MSI3952-ICC3952 for Indeno[1,2,3-cd]pyrene, Dibenz[a,h]anthracene
- Only PAHs requested
- MC50005-1 thorugh MC50005-10, OP49583-MB/BS/BSD for Terphenyl-d14, Nitrobenzene-d5: Surrogate standard not added EPH extract analyzed
- MC50005-1,2,3,4,5,6,9 for 2-Fluorobiphenyl: Outside in-house control limits, but within MCP control limits

Extractables by GC By Method MADEP EPH REV 1.1

Matrix: AQ **Batch ID:** OP49582

- Only range reported
- All samples were extracted within the recommended method holding time
- All samples were analyzed within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- MC50005-6,8: Confirmation run for surrogate recoveries
- MC50005-6,8 for 1-Chlorooctadecane: Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis
- OP49582-BS/BSD for C9-C18 Aliphatics: Recovery of n-nonane was <30% for laboratory control sample

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** N MP99703

- Analysis performed at SGS Accutest, Dayton, NJ

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** N MP99709

- Mercury Analysis performed at SGS Accutest, Dayton, NJ

SGS-Accutest may not have met all requested limits due to methodology limitations, sample matrix, dilutions, or percent solids

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50005)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Accutest New England **Job No** MC50005

Site: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somer **Report Date** 4/7/2017 10:25:41 AM

On 04/04/2017, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 2.9 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of MC50005 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP99703

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria
- Sample(s) JC40220-4FSDL were used as the QC samples for metals
- RPD(s) for Serial Dilution for Cadmium, Lead, Silver, Vanadium are outside control limits for sample MP99703-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL)

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP99709

- All samples were digested within the recommended method holding time
- All method blanks for this batch meet method specific criteria

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50005-1	MW-1					
Naphthalene		0.27 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.056 B	0.056		ug/l	SW846 8270D BY SIM
MC50005-1F	MW-1					
Arsenic [a]		22.5	3.0		ug/l	SW846 6010C
MC50005-2	MW-2					
Benzo(a)anthracene		0.062	0.055		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.11	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		0.069	0.055		ug/l	SW846 8270D BY SIM
Fluoranthene		0.11	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		0.16	0.11		ug/l	SW846 8270D BY SIM
Naphthalene		0.26 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.066 B	0.055		ug/l	SW846 8270D BY SIM
MC50005-2F	MW-2					
Arsenic [a]		13.4	3.0		ug/l	SW846 6010C
MC50005-3	MW-3					
Naphthalene		0.28 B	0.23		ug/l	SW846 8270D BY SIM
MC50005-3F	MW-3					
No hits reported in this sample.						
MC50005-4	MW-103					
Benzo(a)anthracene		0.24	0.056		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.25	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		0.27	0.056		ug/l	SW846 8270D BY SIM
Benzo(g,h,i)perylene		0.14	0.11		ug/l	SW846 8270D BY SIM
Benzo(k)fluoranthene		0.13	0.11		ug/l	SW846 8270D BY SIM
Chrysene		0.21	0.11		ug/l	SW846 8270D BY SIM
Fluoranthene		0.51	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		0.27	0.11		ug/l	SW846 8270D BY SIM
Naphthalene		0.46 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.30	0.056		ug/l	SW846 8270D BY SIM
Pyrene		0.42	0.11		ug/l	SW846 8270D BY SIM

Summary of Hits

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50005-4F	MW-103					
No hits reported in this sample.						
MC50005-5	MW-108					
Benzo(a)anthracene		0.060	0.054		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.11	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		0.055	0.054		ug/l	SW846 8270D BY SIM
Fluoranthene		0.11	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		0.14	0.11		ug/l	SW846 8270D BY SIM
Phenanthrene		0.072 B	0.054		ug/l	SW846 8270D BY SIM
MC50005-5F	MW-108					
No hits reported in this sample.						
MC50005-6	B-2/MW					
Naphthalene		0.28 B	0.22		ug/l	SW846 8270D BY SIM
MC50005-6F	B-2/MW					
Selenium [a]		17.8	10		ug/l	SW846 6010C
Zinc [a]		26.0	20		ug/l	SW846 6010C
MC50005-7	B-3/MW					
Naphthalene		0.26 B	0.22		ug/l	SW846 8270D BY SIM
MC50005-7F	B-3/MW					
No hits reported in this sample.						
MC50005-8	MW-105					
Naphthalene		0.23 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.073 B	0.055		ug/l	SW846 8270D BY SIM
MC50005-8F	MW-105					
Barium [a]		66.9	50		ug/l	SW846 6010C
Lead [a]		3.3	3.0		ug/l	SW846 6010C
Selenium [a]		14.6	10		ug/l	SW846 6010C
Zinc [a]		293	20		ug/l	SW846 6010C

Summary of Hits

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC50005-9	MW-106					
Naphthalene		0.26 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		0.10 B	0.054		ug/l	SW846 8270D BY SIM
MC50005-9F	MW-106					
No hits reported in this sample.						
MC50005-10	MW-107					
Acenaphthene		0.14	0.11		ug/l	SW846 8270D BY SIM
Acenaphthylene		0.14	0.11		ug/l	SW846 8270D BY SIM
Anthracene		0.36	0.11		ug/l	SW846 8270D BY SIM
Benzo(a)anthracene		0.89	0.055		ug/l	SW846 8270D BY SIM
Benzo(a)pyrene		0.88	0.11		ug/l	SW846 8270D BY SIM
Benzo(b)fluoranthene		1.5	0.055		ug/l	SW846 8270D BY SIM
Benzo(g,h,i)perylene		0.72	0.11		ug/l	SW846 8270D BY SIM
Benzo(k)fluoranthene		0.65	0.11		ug/l	SW846 8270D BY SIM
Chrysene		1.1	0.11		ug/l	SW846 8270D BY SIM
Dibenzo(a,h)anthracene		0.25	0.11		ug/l	SW846 8270D BY SIM
Fluoranthene		2.1	0.11		ug/l	SW846 8270D BY SIM
Fluorene		0.17	0.11		ug/l	SW846 8270D BY SIM
Indeno(1,2,3-cd)pyrene		1.0	0.11		ug/l	SW846 8270D BY SIM
Naphthalene		0.31 B	0.22		ug/l	SW846 8270D BY SIM
Phenanthrene		1.2	0.055		ug/l	SW846 8270D BY SIM
Pyrene		1.8	0.11		ug/l	SW846 8270D BY SIM
MC50005-10F	MW-107					
Lead [a]		8.5	3.0		ug/l	SW846 6010C
Selenium [a]		11.8	10		ug/l	SW846 6010C

(a) Analysis performed at SGS Accutest, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	MC50005-1	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104336.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.27	0.22	ug/l	B
85-01-8	Phenanthrene	0.056	0.056	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	108% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	MC50005-1	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17333.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		40-140%
321-60-8	2-Fluorobiphenyl	105%		40-140%
3386-33-2	1-Chlorooctadecane	55%		40-140%
580-13-2	2-Bromonaphthalene	107%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 1		
Lab Sample ID:	MC50005-1F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.2

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Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	22.5	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	< 1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW 2		
Lab Sample ID:	MC50005-2	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.3

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104337.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.062	0.055	ug/l	
50-32-8	Benzo(a)pyrene	0.11	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	0.069	0.055	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	0.11	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.26	0.22	ug/l	B
85-01-8	Phenanthrene	0.066	0.055	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	110% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	MC50005-2	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17334.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		40-140%
321-60-8	2-Fluorobiphenyl	95%		40-140%
3386-33-2	1-Chlorooctadecane	51%		40-140%
580-13-2	2-Bromonaphthalene	98%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	MC50005-2F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	13.4	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC50005-3	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104338.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.057	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.057	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.23	ug/l	
91-20-3	Naphthalene	0.28	0.23	ug/l	B
85-01-8	Phenanthrene	ND	0.057	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	109% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC50005-3	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17335.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		40-140%
321-60-8	2-Fluorobiphenyl	113%		40-140%
3386-33-2	1-Chlorooctadecane	47%		40-140%
580-13-2	2-Bromonaphthalene	117%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	MC50005-3F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

Report of Analysis

Client Sample ID:	MW-103		
Lab Sample ID:	MC50005-4	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104339.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.24	0.056	ug/l	
50-32-8	Benzo(a)pyrene	0.25	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	0.27	0.056	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.14	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	0.13	0.11	ug/l	
218-01-9	Chrysene	0.21	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	0.51	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.27	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.46	0.22	ug/l	B
85-01-8	Phenanthrene	0.30	0.056	ug/l	
129-00-0	Pyrene	0.42	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	113% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	MW 103		
Lab Sample ID:	MC50005 4	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17336.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		40-140%
321-60-8	2-Fluorobiphenyl	112%		40-140%
3386-33-2	1-Chlorooctadecane	50%		40-140%
580-13-2	2-Bromonaphthalene	116%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 103		
Lab Sample ID:	MC50005 4F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW 108		
Lab Sample ID:	MC50005 5	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104340.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.060	0.054	ug/l	
50-32-8	Benzo(a)pyrene	0.11	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	0.055	0.054	ug/l	
191 24 2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206 44 0	Fluoranthene	0.11	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193 39 5	Indeno(1,2,3 cd)pyrene	0.14	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91 20 3	Naphthalene	ND	0.22	ug/l	
85-01-8	Phenanthrene	0.072	0.054	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60 8	2-Fluorobiphenyl	93%		28-107%
1718 51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 108		
Lab Sample ID:	MC50005 5	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17337.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%
321-60-8	2-Fluorobiphenyl	104%		40-140%
3386-33-2	1-Chlorooctadecane	46%		40-140%
580 13 2	2 Bromonaphthalene	108%		40 140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.10

Client Sample ID:	MW 108		
Lab Sample ID:	MC50005-5F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

4.11

Client Sample ID:	B 2/MW		
Lab Sample ID:	MC50005-6	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104341.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.28	0.22	ug/l	B
85-01-8	Phenanthrene	ND	0.054	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	116% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B 2/MW		
Lab Sample ID:	MC50005 6	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17338.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2 [a]	DE17351.D	1	04/10/17	AP	04/05/17	OP49582	GDE965

	Initial Volume	Final Volume
Run #1	930 ml	2.0 ml
Run #2	930 ml	2.0 ml

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%	87%	40-140%
321-60-8	2-Fluorobiphenyl	109%	98%	40-140%
3386-33-2	1-Chlorooctadecane	35% [b]	39% [b]	40-140%
580-13-2	2-Bromonaphthalene	113%	102%	40-140%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B 2/MW		
Lab Sample ID:	MC50005-6F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7170A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	17.8	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	26.0	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B 3 MW		
Lab Sample ID:	MC50005-7	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104342.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.26	0.22	ug/l	B
85-01-8	Phenanthrene	ND	0.056	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	116% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B 3/MW		
Lab Sample ID:	MC50005 7	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17339.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		40-140%
321-60-8	2-Fluorobiphenyl	120%		40-140%
3386-33-2	1-Chlorooctadecane	43%		40-140%
580-13-2	2-Bromonaphthalene	122%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3 MW		
Lab Sample ID:	MC50005-7F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

4.14

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Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

SGS ACCUTEST

Report of Analysis

Client Sample ID:	MW-105		
Lab Sample ID:	MC50005-8	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 351 Summer Street, Somerville, MA		

4.15

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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104343.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.055	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.055	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.23	0.22	ug/l	B
85-01-8	Phenanthrene	0.073	0.055	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	103%		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS ACCUTEST

Report of Analysis

Client Sample ID:	MW 105		
Lab Sample ID:	MC50005-8	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17340.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2 [a]	DE17352.D	1	04/10/17	AP	04/05/17	OP49582	GDE965

	Initial Volume	Final Volume
Run #1	910 ml	2.0 ml
Run #2	910 ml	2.0 ml

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%	83%	40-140%
321-60-8	2-Fluorobiphenyl	114%	101%	40-140%
3386-33-2	1-Chlorooctadecane	32% [b]	34% [b]	40-140%
580-13-2	2-Bromonaphthalene	118%	103%	40-140%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-105		
Lab Sample ID:	MC50005-8F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	66.9	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	3.3	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	14.6	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	293	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-106		
Lab Sample ID:	MC50005-9	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104344.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	ND	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.26	0.22	ug/l	B
85-01-8	Phenanthrene	0.10	0.054	ug/l	B
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	118% [b]		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 106		
Lab Sample ID:	MC50005-9	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE17341.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-140%
321-60-8	2-Fluorobiphenyl	106%		40-140%
3386-33-2	1-Chlorooctadecane	40%		40-140%
580-13-2	2-Bromonaphthalene	110%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-106		
Lab Sample ID:	MC50005 9F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	<6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	<50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	<1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	<3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	<0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	<2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	<10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	<20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709

(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-107		
Lab Sample ID:	MC50005 10	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I104345.D	1	04/08/17	DRY	04/05/17	OP49583	MSI3975
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	0.14	0.11	ug/l	
208-96-8	Acenaphthylene	0.14	0.11	ug/l	
120-12-7	Anthracene	0.36	0.11	ug/l	
56-55-3	Benzo(a)anthracene	0.89	0.055	ug/l	
50-32-8	Benzo(a)pyrene	0.88	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	1.5	0.055	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.72	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	0.65	0.11	ug/l	
218-01-9	Chrysene	1.1	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.25	0.11	ug/l	
206-44-0	Fluoranthene	2.1	0.11	ug/l	
86-73-7	Fluorene	0.17	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	0.11	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.31	0.22	ug/l	B
85-01-8	Phenanthrene	1.2	0.055	ug/l	
129-00-0	Pyrene	1.8	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		26-121%
321-60-8	2-Fluorobiphenyl	106%		28-107%
1718-51-0	Terphenyl-d14	0% [a]		29-129%

(a) Surrogate standard not added. EPH extract analyzed.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 107		
Lab Sample ID:	MC50005-10	Date Sampled:	03/31/17
Matrix:	AQ - Ground Water	Date Received:	04/03/17
Method:	MADEP EPH REV 1.1 SW846 3510C	Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DF17343.D	1	04/07/17	AP	04/05/17	OP49582	GDE964
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	ug/l	
	C9-C18 Aliphatics	ND	110	ug/l	
	C19-C36 Aliphatics	ND	110	ug/l	
	C11-C22 Aromatics	ND	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		40-140%
321-60-8	2-Fluorobiphenyl	104%		40-140%
3386-33-2	1-Chlorooctadecane	41%		40-140%
580-13-2	2-Bromonaphthalene	108%		40-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 107		
Lab Sample ID:	MC50005-10F	Date Sampled:	03/31/17
Matrix:	AQ - Groundwater Filtered	Date Received:	04/03/17
		Percent Solids:	n/a
Project:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	< 6.0	6.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Arsenic [a]	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Barium [a]	< 50	50	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Beryllium [a]	< 1.0	1.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Cadmium [a]	< 3.0	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Chromium [a]	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Lead [a]	8.5	3.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Mercury [a]	< 0.20	0.20	ug/l	1	04/05/17	04/05/17	ANJ	SW846 7470A [1]	SW846 7470A [4]
Nickel [a]	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Selenium [a]	11.8	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Silver [a]	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Thallium [a]	< 2.0	2.0	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Vanadium [a]	< 10	10	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]
Zinc [a]	< 20	20	ug/l	1	04/05/17	04/06/17	ANJ	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA41712
(2) Instrument QC Batch: N:MA41731
(3) Prep QC Batch: N:MP99703
(4) Prep QC Batch: N:MP99709
(a) Analysis performed at SGS Accutest, Dayton, NJ.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form
- MCP Form (SGS Accutest New Jersey)
- EPH Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SGS ACCUTEST — CHAIN OF CUSTODY (JB) — PAGE 1 OF 1

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX. 508-481 7753
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC50005

Client / Reporting Information
Company Name: EnviroTrac Ltd.
Street Address: 2 Merchant St. Suite #2
City: Sharon State: MA Zip: 02067
Project Contact: J. Buttaro E-mail: jenniferb@envirotrac.com
Phone #: 781-793-0074 Fax #:
Sampler(s) Name(s): L. Main, H. Havel Phone #:

Project Information
Project Name: Maggiore Somerville
Street: 343-351 Somer St.
City: Somerville MA
Project #: 63.490202.06
Client PO#:
Project Manager: Jenn Buttaro

Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

#	Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	EPH w/ target PAHs	14 MCP Metals (field Filtered)	Matrix Codes
1	MW-1	3/31/17	11:16	CM/HH	GW	3	2	1	
2	MW-2		10:14						
3	MW-3		8:34						
4	MW-103		9:21						
5	MW-108		12:23						
6	B-2/MW		10:31						
7	B 3/MW		11:33						
8	MW-105		12:19						
9	MW-106		9:37						
10	MW-107		8:45						

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; SED Sediment; OI Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

LAB USE ONLY

Data Deliverable Information
- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- FULL T1 (Level 3+4)
- CT RCP
- [X] MA MCP
- NYASP Category A
- NYASP Category B
- State Forms
- EDD Format
- Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Turnaround Time (Business days)
- Std. 10 Business Days
- [X] Std. 5 Business Days (By Contract only)
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date: 5-7 days (ET contract rate)

Comments / Special Instructions
Must meet GW-1 detection limits

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler	Date Time:	Received By:	Relinquished By:	Date Time	Received By:
1		3/31/17 15:00	ET secure fridge		4/3/17 11:45	
2						
3		4/3/17 1356				
4						
5				Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp. 3.3 / 2.1

MC50005: Chain of Custody
Page 1 of 2

SGS Accutest NE Sample Receipt Summary

Job Number: MC50005 Client: ENVIROTRAC Project: MAGGIORE SOMERVILLE

Date / Time Received: 4/3/2017 1:56:00 PM Delivery Method: SGS Courier Airbill #'s:

Cooler Temps (Initial/Adjusted): #1: 3.1/2.8; #2: 2.1/1.6;

Cooler Security	Y or N		Y or N
1. Custody Seals Present	☐ ☑	3. COC Present	☑ ☐
2. Custody Seals Intact	☐ ☑	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved	☑ ☐
2. Thermometer ID	IRGUN1,
3. Cooler media	Ice (Bag)
4. No. Coolers	2

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑
3. Samples preserved properly	☑		☐	
4. VOCs headspace free	☐		☐	☑

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles.	☑
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree.	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT.	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample	Intact

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear.	☐		☐	☑

Comments

MC50005: Chain of Custody
Page 2 of 2

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name:	SGS Accutest- Marlborough	Project #:	MC50005
Project Location:	Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50005-1 through MC50005-10
MC50005-1F, through MC50005-10F

Matrices: Groundwater/Surface Water (X) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC ( ) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC (X) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH (X) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications)	☑ Yes	☐ No
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☑ Yes	☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No
	Responses to questions G, H, and I below is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☐ Yes	☑ No
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No
	All Negative responses must be addressed in an attached Environmental Laboratory case narrative.		

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Laboratory Director

Printed Name: H. (Brad) Madadian Date: 10-Apr-17

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	WSC-CAM	Exhibit VII A
	July 1, 2010	Revision No. 1
	Final	

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

Laboratory Name	Accutest Mid-Atlantic	Project #.	MC50005
Project Location #01074	ENVTRAC Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA	MADEP RTN	None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)
MC50005-10F,MC50005-1F,MC50005-2F,MC50005-3F,MC50005-4F,MC50005-5F,MC50005-6F
MC50005-7F,MC50005-8F,MC50005-9F

Matrices Groundwater/Surface Water (X) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below)

8260 VOC ( ) CAM IIA	7470/7471 Hg (X) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals (X) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC ( ) CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No	
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes	☐ No	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes	☐ No	
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No	
	b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No	
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes	☐ No	

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	☑ Yes	☐ No	
	Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.			
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☑ Yes	☐ No	
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No	

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Nancy F. Cole Position: Laboratory Director

Printed Name: Nancy F. Cole Date: 07-Apr-17

MADEP EPH FORM

Matrix	Aqueous ☑	Soil ☐	Sediment ☐	Other ☐		
Containers	Satisfactory ☑	Broken ☐	Leaking ☐			
Aqueous Preservatives	N/A ☐	pH <= 2 ☑	pH > 2 ☐			
Temperature	Received on Ice ☐	Received at 4 Deg. C ☐	Other ☑	Rec'd at 2.8 Deg. C		
Extraction Method	SW846 3510C					

Method for Ranges:	MADEP EPH REV 1.1	**Client ID:** MW-1		**Lab ID:** MC50005-1
Method for Targets:	MADEP EPH REV 1.1	**Date Collected:** 3/31/2017		**Date Received:** 4/3/2017
EPH Surrogate Stds.	Aliphatic: 1-Chlorooctadecane Aromatic o-Terphenyl	**Date Extracted:** 4/5/2017 2:30:00 PM	**First Date Run:** 4/7/2017	**Last Date Run:** N/A
EPH Fractionation Surrogate Standards.	2-Fluorobiphenyl 2-Bromonaphthalene	**% Solids:** N/A	**Low Dilution:** 1	**High Dilution:** N/A

Unadjusted Ranges	**CAS #**	**Units**	**Result**	**RDL**	**Q**
C11-C22 Aromatics (Unadj.)		ug/l	ND [A]	110	

Adjusted Ranges			
C9-C18 Aliphatics	ug/l	ND [A]	110
C19-C36 Aliphatics	ug/l	ND [A]	110
C11-C22 Aromatics	ug/l	ND [B]	110

Surrogate Recoveries			**Acceptance Range**
1-Chlorooctadecane	%	55	40-140 %
o-Terphenyl	%	87	40-140 %
2-Fluorobiphenyl	%	105	40-140 %
2-Bromonaphthalene	%	107	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑ Yes ☐ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature H. Brad Madadian **Postition** Laboratory Director

Printed Name H. (Brad) Madadian **Date** 4/10/2017

MADEP EPH FORM

Matrix	Aqueous ✓	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ✓	Rec'd at 2.8 Deg. C	
Extraction Method	SW846 3510C				

Method for Ranges	MADEP EPH REV 1.1	Client ID: MW-2		Lab ID: MC50005-2
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017
EPH Surrogate Stds	Aliphatic: 1-Chlorooctadecane	Date Extracted	First Date Run:	Last Date Run:
	Aromatic: o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	N/A
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND A	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND A	110
C19-C36 Aliphatics		ug/l	ND A	110
C11-C22 Aromatics		ug/l	ND B	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	51	40-140 %
o-Terphenyl		%	85	40-140 %
2-Fluorobiphenyl		%	95	40-140 %
2-Bromonaphthalene		%	98	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No - Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑ Yes ☐ No - Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes - Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature _____ Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

5.4

5

MADEP EPH FORM

Matrix	Aqueous ☑	Soil ☐	Sediment ☐	Other ☐	
Containers	Satisfactory ☑	Broken ☐	Leaking ☐		
Aqueous Preservatives	N/A ☐	pH <= 2 ☑	pH > 2 ☐		
Temperature	Received on Ice ☐	Received at 4 Deg. C ☐	Other ☑	Rec'd at 2.8 Deg. C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-3		Lab ID: MC50005-3
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017
EPH Surrogate Stds.	Aliphatic: 1-Chlorooctadecane	Date Extracted:	First Date Run:	Last Date Run:
	Aromatic: o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	N/A
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND A	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND A	110
C19-C36 Aliphatics		ug/l	ND A	110
C11-C22 Aromatics		ug/l	ND B	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	47	40-140 %
o-Terphenyl		%	98	40-140 %
2-Fluorobiphenyl		%	113	40-140 %
2-Bromonaphthalene		%	117	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No - Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑ Yes ☐ No - Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes - Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature _____ Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

5.4

5

MADEP EPH FORM

Matrix	Aqueous ✓	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ☑	Rec'd at 2.8 Deg. C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-103		Lab ID: MC50005-4
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017
EPH Surrogate Stds	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:	Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	N/A
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND [A]	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND [A]	110
C19-C36 Aliphatics		ug/l	ND [A]	110
C11-C22 Aromatics		ug/l	ND [B]	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	50	40-140 %
o-Terphenyl		%	98	40-140 %
2-Fluorobiphenyl		%	112	40-140 %
2-Bromonaphthalene		%	116	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑ Yes ☐ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature [signature] Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

MADEP EPH FORM

Matrix	Aqueous ☑	Soil	Sediment	Other	
Containers	Satisfactory ☑	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ☑	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ☑	Rec'd at 2.8 Deg. C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-108		Lab ID: MC50005-5
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017
EPH Surrogate Stds.	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:	Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	N/A
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND [A]	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND [A]	110
C19-C36 Aliphatics		ug/l	ND [A]	110
C11-C22 Aromatics		ug/l	ND [B]	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	46	40-140 %
o-Terphenyl		%	88	40-140 %
2-Fluorobiphenyl		%	104	40-140 %
2-Bromonaphthalene		%	108	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑ Yes ☐ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature [signature] Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

MADEP EPH FORM

Matrix	Aqueous ✓	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ✓	Rec'd at 2.8 Deg C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: B-2/MW		Lab ID: MC50005-6
Method for Targets	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017
EPH Surrogate Stds	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:	Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	04/10/17
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND [A]	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND [A]	110
C19-C36 Aliphatics		ug/l	ND [A]	110
C11-C22 Aromatics		ug/l	ND [B]	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	39 [C]	40-140 %
1-Chlorooctadecane		%	35 [C]	40-140 %
o-Terphenyl		%	87	40-140 %
o-Terphenyl		%	95	40-140 %
2-Fluorobiphenyl		%	98	40-140 %
2-Fluorobiphenyl		%	109	40-140 %
2-Bromonaphthalene		%	102	40-140 %
2-Bromonaphthalene		%	113	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

C Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis.

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☐ Yes ☑ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature _____ Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

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MADEP EPH FORM

Matrix	Aqueous ☑	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ✓	Rec'd at 2.8 Deg C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: B-3/MW		Lab ID: MC50005-7
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017
EPH Surrogate Stds.	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:	Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	N/A
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND [A]	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND [A]	110
C19-C36 Aliphatics		ug/l	ND [A]	110
C11-C22 Aromatics		ug/l	ND [B]	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	43	40-140 %
o-Terphenyl		%	98	40-140 %
2-Fluorobiphenyl		%	120	40-140 %
2-Bromonaphthalene		%	122	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☑ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☑ Yes ☐ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ☑ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature _____ Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

5.4 5

MADEP EPH FORM

Matrix	Aqueous ✓	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ✓	Rec'd at 2.8 Deg. C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-105		Lab ID: MC50005-8	
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017	
EPH Surrogate Stds	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:		Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017		04/10/17
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:		High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1		N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj)		ug/l	ND [A]	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND [A]	110
C19-C36 Aliphatics		ug/l	ND [A]	110
C11-C22 Aromatics		ug/l	ND [B]	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	34 [C]	40-140 %
1-Chlorooctadecane		%	32 [C]	40-140 %
o-Terphenyl		%	83	40-140 %
o-Terphenyl		%	94	40-140 %
2-Fluorobiphenyl		%	101	40-140 %
2-Fluorobiphenyl		%	114	40-140 %
2-Bromonaphthalene		%	103	40-140 %
2-Bromonaphthalene		%	118	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

C Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ✓ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ☐ Yes ✓ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ✓ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature [signature] Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

MADEP EPH FORM

Matrix	Aqueous ✓	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ✓	Rec'd at 2.8 Deg. C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-106		Lab ID: MC50005-9	
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017		Date Received: 4/3/2017	
EPH Surrogate Stds.	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:		Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017		N/A
EPH Fractionation	2-Fluorobiphenyl	% Solids:	Low Dilution:		High Dilution:
Surrogate Standards.	2-Bromonaphthalene	N/A	1		N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj)		ug/l	ND [A]	110	

Adjusted Ranges				
C9-C18 Aliphatics		ug/l	ND [A]	110
C19-C36 Aliphatics		ug/l	ND [A]	110
C11-C22 Aromatics		ug/l	ND [B]	110
Surrogate Recoveries				**Acceptance Range**
1-Chlorooctadecane		%	40	40-140 %
o-Terphenyl		%	88	40-140 %
2-Fluorobiphenyl		%	106	40-140 %
2-Bromonaphthalene		%	110	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed? ✓ Yes ☐ No- Details Attatched

Were all performance/acceptance standards for required QA/QC procedures achieved? ✓ Yes ☐ No- Details Attatched

Were any significant modifications made to the EPH method, as specified in Sect. 11.3? ✓ No ☐ Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature [signature] Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

MADEP EPH FORM

Matrix	Aqueous ✓	Soil	Sediment	Other	
Containers	Satisfactory ✓	Broken	Leaking		
Aqueous Preservatives	N/A	pH <= 2 ✓	pH > 2		
Temperature	Received on Ice	Received at 4 Deg. C	Other ✓	Rec'd at 2.8 Deg C	
Extraction Method	SW846 3510C				

Method for Ranges:	MADEP EPH REV 1.1	Client ID: MW-107	Lab ID: MC50005-10	
Method for Targets:	MADEP EPH REV 1.1	Date Collected: 3/31/2017	Date Received: 4/3/2017	
EPH Surrogate Stds.	Aliphatic 1-Chlorooctadecane	Date Extracted:	First Date Run:	Last Date Run:
	Aromatic o-Terphenyl	4/5/2017 2:30:00 PM	4/7/2017	N/A
EPH Fractionation Surrogate Standards.	2-Fluorobiphenyl	% Solids:	Low Dilution:	High Dilution:
	2-Bromonaphthalene	N/A	1	N/A

Unadjusted Ranges	CAS #	Units	Result	RDL	Q
C11-C22 Aromatics (Unadj.)		ug/l	ND [A]	110	

Adjusted Ranges			
C9-C18 Aliphatics	ug/l	ND [A]	110
C19-C36 Aliphatics	ug/l	ND [A]	110
C11-C22 Aromatics	ug/l	ND [B]	110

Surrogate Recoveries			Acceptance Range
1-Chlorooctadecane	%	41	40-140 %
o-Terphenyl	%	86	40-140 %
2-Fluorobiphenyl	%	104	40-140 %
2-Bromonaphthalene	%	108	40-140 %

Footnotes

A Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

B Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Z A 'J' qualifier indicates an estimated value

Were all QA/QC procedures REQUIRED by the EPH Method followed?	✓ Yes	☐	No- Details Attatched
Were all performance/acceptance standards for required QA/QC procedures achieved?	✓ Yes	☐	No- Details Attatched
Were any significant modifications made to the EPH method, as specified in Sect. 11.3?	☑ No	☐	Yes- Details Attatched

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtainig the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Signature [signature] Postition Laboratory Director

Printed Name H. (Brad) Madadian Date 4/10/2017

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-1 Collected: 31 MAR-17 11:16 By: LMHH Received: 03 APR-17 By: TF						
MW-1						
MC50005-1	MADEP EPH REV 1.1	07-APR-17 17:48	AP	05-APR-17	AJ	BMAEPHR
MC50005-1	SW846 8270D BY SIM	08-APR-17 10:34	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-2 Collected: 31-MAR-17 10:14 By: LMHH Received: 03-APR-17 By: TF						
MW-2						
MC50005-2	MADEP EPH REV 1.1	07-APR-17 18:16	AP	05-APR-17	AJ	BMAEPHR
MC50005-2	SW846 8270D BY SIM	08-APR-17 11:00	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-3 Collected: 31-MAR-17 08:34 By: LMHH Received: 03-APR-17 By: TF						
MW-3						
MC50005-3	MADEP EPH REV 1.1	07-APR-17 18:43	AP	05-APR-17	AJ	BMAEPHR
MC50005-3	SW846 8270D BY SIM	08-APR-17 11:27	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-4 Collected: 31-MAR-17 09:21 By: LMHH Received: 03-APR-17 By: TF						
MW-103						
MC50005-4	MADEP EPH REV 1.1	07-APR-17 19:11	AP	05-APR-17	AJ	BMAEPHR
MC50005-4	SW846 8270D BY SIM	08-APR-17 11:53	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-5 Collected: 31-MAR-17 12:23 By: LMHH Received: 03-APR-17 By: TF						
MW-108						
MC50005-5	MADEP EPH REV 1.1	07-APR-17 19:39	AP	05-APR-17	AJ	BMAEPHR
MC50005-5	SW846 8270D BY SIM	08-APR-17 12:20	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-6 Collected: 31-MAR-17 10:31 By: LMHH Received: 03-APR-17 By: TF						
B-2/MW						
MC50005-6	MADEP EPH REV 1.1	07-APR-17 20:07	AP	05-APR-17	AJ	BMAEPHR
MC50005-6	SW846 8270D BY SIM	08-APR-17 12:46	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-6	MADEP EPH REV 1.1	10-APR-17 08:52	AP	05-APR-17	AJ	BMAEPHR
MC50005-7 Collected: 31-MAR-17 11:33 By: LMHH Received: 03-APR-17 By: TF						
B-3/MW						

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-7	MADEP EPH REV 1.1	07-APR-17 20:35	AP	05-APR-17	AJ	BMAEPHR
MC50005-7	SW846 8270D BY SIM	08-APR-17 13:12	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-8 Collected: 31 MAR 17 12:19 By: LMHH Received: 03-APR-17 By: TF MW 105						
MC50005-8	MADEP EPH REV 1.1	07-APR-17 21:03	AP	05-APR-17	AJ	BMAEPHR
MC50005-8	SW846 8270D BY SIM	08-APR-17 13:39	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-8	MADEP EPH REV 1.1	10-APR-17 09:20	AP	05-APR-17	AJ	BMAEPHR
MC50005-9 Collected: 31-MAR-17 09:37 By: LMHH Received: 03-APR-17 By: TF MW-106						
MC50005-9	MADEP EPH REV 1.1	07-APR-17 21:31	AP	05-APR-17	AJ	BMAEPHR
MC50005-9	SW846 8270D BY SIM	08-APR-17 14:05	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-10 Collected: 31 MAR 17 08:45 By: LMHH Received: 03-APR-17 By: TF MW 107						
MC50005-10	MADEP EPH REV 1.1	07-APR-17 22:27	AP	05-APR-17	AJ	BMAEPHR
MC50005-10	SW846 8270D BY SIM	08-APR-17 14:31	DRY	05-APR-17	AJ	B8270SIMPAH
MC50005-11 Collected: 31 MAR 17 11:16 By: LMHH Received: 03-APR-17 By: TF MW-1						
MC50005-11	SW846 7470A	05-APR-17 13:46	ANJ	05-APR-17	ANJ	HG
MC50005-11	SW846 6010C	06-APR-17 18:55	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-2 Collected: 31 MAR 17 10:14 By: LMHH Received: 03-APR-17 By: TF MW-2						
MC50005-2	SW846 7470A	05-APR-17 13:48	ANJ	05-APR-17	ANJ	HG
MC50005-2	SW846 6010C	06-APR-17 18:58	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-3 Collected: 31 MAR 17 08:34 By: LMHH Received: 03-APR-17 By: TF MW-3						
MC50005-3	SW846 7470A	05-APR-17 13:49	ANJ	05-APR-17	ANJ	HG

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Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-3	SW846 6010C	06-APR-17 19:01	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-4 Collected: 31-MAR-17 09:21 By: LMHH Received: 03-APR-17 By: TF MW-103						
MC50005-4	SW846 7470A	05-APR-17 13:50	ANJ	05-APR-17	ANJ	HG
MC50005-4	SW846 6010C	06-APR-17 19:04	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-5 Collected: 31-MAR-17 12:23 By: LMHH Received: 03-APR-17 By: TF MW-108						
MC50005-5	SW846 7470A	05-APR-17 13:55	ANJ	05-APR-17	ANJ	HG
MC50005-5	SW846 6010C	06-APR-17 19:12	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-6 Collected: 31-MAR-17 10:31 By: LMHH Received: 03-APR-17 By: TF B-2/MW						
MC50005-6	SW846 7470A	05-APR-17 13:56	ANJ	05-APR-17	ANJ	HG
MC50005-6	SW846 6010C	06-APR-17 19:15	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-7 Collected: 31-MAR-17 11:33 By: LMHH Received: 03-APR-17 By: TF B-3/MW						
MC50005-7	SW846 7470A	05-APR-17 13:57	ANJ	05-APR-17	ANJ	HG
MC50005-7	SW846 6010C	06-APR-17 19:18	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN
MC50005-8 Collected: 31-MAR-17 12:19 By: LMHH Received: 03-APR-17 By: TF MW-105						
MC50005-8	SW846 7470A	05-APR-17 13:58	ANJ	05-APR-17	ANJ	HG
MC50005-8	SW846 6010C	06-APR-17 19:20	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB,SE,TL,V,ZN

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: MC50005

Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-9[illegible]	Collected: 31 MAR 17 09:37 By: LMHH Received: 03 APR 17 By: TF					
MW-106						
MC50005-9[illegible]	SW846 7470A	05-APR-17 14:00	ANJ	05-APR-17	ANJ	HG
MC50005-9[illegible]	SW846 6010C	06-APR-17 19:23	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-10[illegible]	Collected: 31 MAR 17 08:45 By: LMHH Received: 03 APR 17 By: TF					
MW-107						
MC50005-10[illegible]	SW846 7470A	05-APR-17 14:01	ANJ	05-APR-17	ANJ	HG
MC50005-10[illegible]	SW846 6010C	06-APR-17 19:26	ANJ	05-APR-17	ANJ	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN

QC Evaluation: MA MCP Limits

Job Number: MC50005
Account: EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC50005

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New England

Section 6

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49583-MB	I104309.D	1	04/06/17	DRY	04/05/17	OP49583	MSI3973

The QC reported here applies to the following samples: Method: SW846 8270D BY SIM

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005 10

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.10	ug/l	
208-96-8	Acenaphthylene	ND	0.10	ug/l	
120-12-7	Anthracene	ND	0.10	ug/l	
56 55 3	Benzo(a)anthracene	ND	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	ug/l	
205 99 2	Benzo(b)fluoranthene	ND	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	ug/l	
218 01 9	Chrysene	ND	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	ug/l	
206 44-0	Fluoranthene	ND	0.10	ug/l	
86 73 7	Fluorene	ND	0.10	ug/l	
193-39 5	Indeno(1,2,3 cd)pyrene	ND	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	ug/l	
91-20-3	Naphthalene	0.18	0.20	ug/l	J
85-01-8	Phenanthrene	0.027	0.050	ug/l	J
129 00 0	Pyrene	ND	0.10	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	0%* [a]	26 121%
321 60 8	2 Fluorobiphenyl	92%	28-107%
1718 51 0	Terphenyl d14	0%* [a]	29-129%

(a) Surrogate standard not added. EPH extract analyzed.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49583-BS	I104307.D	1	04/06/17	DRY	04/05/17	OP49583	MSI3973
OP49583 BSD	I104308.D	1	04/06/17	DRY	04/05/17	OP49583	MSI3973

The QC reported here applies to the following samples: Method: SW846 8270D BY SIM

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	50	41.5	83	43.3	87	4	45-116/30
208-96-8	Acenaphthylene	50	44.1	88	46.8	94	6	34-110/30
120-12-7	Anthracene	50	40.9	82	40.8	82	0	50-117/30
56-55-3	Benzo(a)anthracene	50	42.8	86	42.5	85	1	55-139/30
50-32-8	Benzo(a)pyrene	50	42.6	85	43.1	86	1	48-131/30
205-99-2	Benzo(b)fluoranthene	50	47.3	95	45.9	92	3	49-141/30
191-24-2	Benzo(g,h,i)perylene	50	47.5	95	48.6	97	2	60-130/30
207-08-9	Benzo(k)fluoranthene	50	45.0	90	46.3	93	3	49-133/30
218-01-9	Chrysene	50	43.1	86	44.2	88	3	52-128/30
53-70-3	Dibenzo(a,h)anthracene	50	45.2	90	46.4	93	3	60-136/30
206-44-0	Fluoranthene	50	41.5	83	40.4	81	3	46-132/30
86-73-7	Fluorene	50	45.3	91	46.1	92	2	53-120/30
193-39-5	Indeno(1,2,3-cd)pyrene	50	46.7	93	46.8	94	0	57-134/30
91-57-6	2-Methylnaphthalene	50	32.2	64	34.7	69	7	36-111/30
91-20-3	Naphthalene	50	29.5	59	32.4	65	9	32-116/30
85-01-8	Phenanthrene	50	39.0	78	39.8	80	2	50-120/30
129-00-0	Pyrene	50	40.1	80	39.1	78	3	48-127/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	0%* [a]	0%* [a]	26-121%
321-60-8	2-Fluorobiphenyl	99%	99%	28-107%
1718-51-0	Terphenyl-d14	0%* [a]	0%* [a]	29-129%

(a) Surrogate standard not added. EPH extract analyzed.

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std: MSI3973 CC3952 Injection Date: 04/06/17
Lab File ID: I104297.D Injection Time: 09:36
Instrument ID: GCMSI Method: SW846 8270D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	17438	4.21	50688	5.25	38844	6.77	42543	8.08	32524	11.14	52272	14.42
Upper Limit [a]	34876	4.71	101376	5.75	77688	7.27	85086	8.58	65048	11.64	104544	14.92
Lower Limit [b]	8719	3.71	25344	4.75	19422	6.27	21272	7.58	16262	10.64	26136	13.92
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	14136	4.21	40957	5.25	29148	6.78	32693	8.08	22169	11.13	36075	14.42
ZZZZZZ	13074	4.21	39266	5.26	33310	6.78	38061	8.08	25643	11.14	45106	14.42
OP49583-BS	14362	4.20	44940	5.25	32688	6.78	40874	8.08	33300	11.14	58915	14.42
OP49583-BSD	15508	4.20	47881	5.25	34868	6.78	43379	8.08	35375	11.13	61724	14.42
OP49583-MB	13380	4.20	41423	5.25	29835	6.78	38000	8.08	29711	11.14	52238	14.42
ZZZZZZ	11634	4.20	36545	5.26	26847	6.77	34230	8.08	26748	11.14	46740	14.42
ZZZZZZ	14063	4.20	43916	5.25	31385	6.78	40310	8.08	31363	11.14	54759	14.42
ZZZZZZ	11842	4.20	37471	5.25	27081	6.78	35427	8.08	27818	11.14	49541	14.42

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Check Std:	MSI3975-CC3952	Injection Date:	04/08/17
Lab File ID:	I104334.D	Injection Time:	09:22
Instrument ID:	GCMSI	Method:	SW846 8270D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	17882	4.21	52459	5.26	39606	6.77	43750	8.08	33298	11.14	54834	14.42
Upper Limit [a]	35764	4.71	104918	5.76	79212	7.27	87500	8.58	66596	11.64	109668	14.92
Lower Limit [b]	8941	3.71	26230	4.76	19803	6.27	21875	7.58	16649	10.64	27417	13.92
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	11802	4.20	36848	5.25	26111	6.78	31893	8.08	25013	11.14	44951	14.43
MC50005-1	13245	4.20	39767	5.25	28315	6.78	35783	8.08	26954	11.14	46881	14.43
MC50005-2	11906	4.20	37057	5.25	26093	6.78	32773	8.08	24893	11.14	42940	14.43
MC50005-3	12277	4.20	36944	5.26	26346	6.78	33200	8.08	25419	11.14	43009	14.43
MC50005-4	12867	4.20	38772	5.25	27253	6.77	33884	8.08	25980	11.14	44016	14.42
MC50005-5	14383	4.20	44409	5.25	31256	6.77	38753	8.08	29652	11.14	50415	14.42
MC50005-6	12331	4.20	37316	5.25	26261	6.78	32796	8.08	24786	11.14	41324	14.43
MC50005-7	14046	4.20	42497	5.25	29794	6.78	37622	8.08	28680	11.14	47852	14.42
MC50005-8	16621	4.20	50746	5.25	34897	6.77	44529	8.08	33685	11.14	55845	14.42
MC50005-9	12711	4.20	38232	5.25	27145	6.78	34265	8.08	26359	11.14	43746	14.43
MC50005-10	14068	4.20	43534	5.25	30464	6.77	38742	8.08	29708	11.14	49500	14.42

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: SW846 8270D BY SIM Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50005-1	I104336.D	0* [a]	108* [b]	0* [a]
MC50005-2	I104337.D	0* [a]	110* [b]	0* [a]
MC50005-3	I104338.D	0* [a]	109* [b]	0* [a]
MC50005-4	I104339.D	0* [a]	113* [b]	0* [a]
MC50005-5	I104340.D	0* [a]	93	0* [a]
MC50005-6	I104341.D	0* [a]	116* [b]	0* [a]
MC50005-7	I104342.D	0* [a]	116* [b]	0* [a]
MC50005-8	I104343.D	0* [a]	103	0* [a]
MC50005-9	I104344.D	0* [a]	118* [b]	0* [a]
MC50005-10	I104345.D	0* [a]	106	0* [a]
OP49583-BS	I104307.D	0* [a]	99	0* [a]
OP49583-BSD	I104308.D	0* [a]	99	0* [a]
OP49583-MB	I104309.D	0* [a]	92	0* [a]

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	26-121%
S2 = 2-Fluorobiphenyl	28-107%
S3 = Terphenyl-d14	29-129%

(a) Surrogate standard not added. EPH extract analyzed.
(b) Outside control limits. Meets technical requirements.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49582 MB	DE17321.D	1	04/06/17	AP	04/05/17	OP49582	GDE963

The QC reported here applies to the following samples: Method: MADEP EPH REV 1.1

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

CAS No.	Compound	Result	RL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	100	ug/l	
	C9-C18 Aliphatics	ND	100	ug/l	
	C19-C36 Aliphatics	ND	100	ug/l	
	C11-C22 Aromatics	ND	100	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	104%	40-140%
321-60-8	2-Fluorobiphenyl	127%	40-140%
3386-33-2	1-Chlorooctadecane	51%	40-140%
580-13-2	2-Bromonaphthalene	131%	40-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP49582-BS	DE17319.D	1	04/06/17	AP	04/05/17	OP49582	GDE963
OP49582-BSD	DE17320.D	1	04/06/17	AP	04/05/17	OP49582	GDE963

The QC reported here applies to the following samples: Method: MADEP EPH REV 1.1

MC50005-1, MC50005-2, MC50005-3, MC50005-4, MC50005-5, MC50005-6, MC50005-7, MC50005-8, MC50005-9, MC50005-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	C11-C22 Aromatics (Unadj.)	800	824	103	905	113	9	40-140/25
	C9-C18 Aliphatics	300	161	54 [a]	164	55 [a]	2	40-140/25
	C19-C36 Aliphatics	400	311	78	282	71	10	40-140/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	79%	86%	40-140%
321-60-8	2-Fluorobiphenyl	95%	116%	40-140%
3386-33-2	1-Chlorooctadecane	49%	40%	40-140%
580-13-2	2-Bromonaphthalene	105%	116%	40-140%

Sample	Compound	Col #1	Col #2	Breakthrough	Limit
OP49582-BS	2-Methylnaphthalene	25.5	ND	0.0%	5.0
OP49582-BS	Naphthalene	22.0	ND	0.0%	5.0
OP49582-BSD	2-Methylnaphthalene	34.2	ND	0.0%	5.0
OP49582-BSD	Naphthalene	30.1	ND	0.0%	5.0

(a) Recovery of n-nonane was < 30% for laboratory control sample.

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC50005
Account: ENVTRAC EnviroTrac, Ltd.
Project: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

Method: MADEP EPH REV 1.1 Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [b]	S4 [a]
MC50005-1	DE17333.D	87	105	55	107
MC50005-2	DE17334.D	85	95	51	98
MC50005-3	DE17335.D	98	113	47	117
MC50005-4	DE17336.D	98	112	50	116
MC50005-5	DE17337.D	88	104	46	108
MC50005-6	DE17351.D	87	98	39* [c]	102
MC50005-6	DE17338.D	95	109	35* [c]	113
MC50005-7	DE17339.D	98	120	43	122
MC50005-8	DE17352.D	83	101	34* [c]	103
MC50005-8	DE17340.D	94	114	32* [c]	118
MC50005-9	DE17341.D	88	106	40	110
MC50005-10	DE17343.D	86	104	41	108
OP49582-BS	DE17319.D	79	95	49	105
OP49582-BSD	DE17320.D	86	116	40	116
OP49582-MB	DE17321.D	104	127	51	131

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	40-140%
S2 = 2-Fluorobiphenyl	40-140%
S3 = 1-Chlorooctadecane	40-140%
S4 = 2-Bromonaphthalene	40-140%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to possible matrix interference. Confirmed by refractionation/reanalysis.

SGS ACCUTEST
New England

Section 8

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits

SGS ACCUTEST — CHAIN OF CUSTODY — Page 1 of 1

50 D'Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752
TEL 508-481-6200 FAX 508-481-7311

FED-EX Tracking # 7273 7576 0813 — Bottle Order Control #
SGS Accutest Quote # — SGS Accutest Job # MC50005

Client / Reporting Information

Company Name: SGS Accutest
Address: 50 D Angelo Drive, 495 Technology Center West, Bldg One
City: Marlbourough, State: MA, Zip: 0175:
Project Contact: robert.sell@sgs.com, E-mail
Phone #: 508-481-6200, Fax #
Sampler(s) Name(s): LMHH, Phone

Project Information

Project Name: Maggiore Somerville, 343 - 351 Summer Street, Somerville MA
Street, City, State, Zip
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)
Company Name
Street Address
City, State, Zip
Attention

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW Drinking Water; GW Ground Water; WW Water; SW Surface Water; SO Soil; SL Sludge; OL Oil; LIQ Other Liquid; AIR Air; SOL Other Solid; WP Wipe; FB Field Blank; EB Equipment Blank; RB Rinse Blank; TB Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	XDAY-MAMCP	LAB USE ONLY
1F	MW-1		3/31/17	11 16 00 AM	LMHH	AQ	1	X	A30
2F	MW 2		3/31/17	10 14 00 AM	LMHH	AQ	1	X	
3F	MW-3		3/31/17	8 34 00 AM	LMHH	AQ	1	X	
4F	MW-103		3/31/17	9 21 00 AM	LMHH	AQ	1	X	
5F	MW-108		3/31/17	12 23 00 PM	LMHH	AQ	1	X	
6F	B-2/MW		3/31/17	10 31 00 AM	LMHH	AQ	1	X	
7F	B-3/MW		3/31/17	11 33 00 AM	LMHH	AQ	1	X	
8F	MW-105		3/31/17	12 19 00 PM	LMHH	AQ	1	X	
9F	MW-106		3/31/17	9 37 00 AM	LMHH	AQ	1	X	
10F	MW-107		3/31/17	8 45 00 AM	LMHH	AQ	1	X	

Number of preserved Bottles: HCl, MeOH, HNO3, H2SO4, NONE, DI Water, NaOH, ENCORE

Turnaround Time (Business days)
- [ ] 5hd. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [X] other Due 4/10/2017

Emergency & Rush T/A data available VIA LabLink

Approved By (SGS Accutest PM) / Date:

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other MAMCP

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Ship to ALNJ – 5 Day TAT

MCP: Must meet GW-1 DLs
INITIAL ASSESMENT AM JB
LABEL VERIFICATION

Sample Custody must be documented below each time samples change possession, including courier delivery

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		4-3-17	FEDEX	FX	4/4/17 925	
2	Relinquished by Sampler	Date Time:	Received By	Relinquished By:	Date Time:	Received By
3				4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable: On Ice / Cooler Temp: 1.5°C

SGS Accutest Sample Receipt Summary

Job Number: MC50005 Client: _____ Project: _____

Date / Time Received: 4/4/2017 9 25 00 AM Delivery Method: _____ Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1 5),

Cooler Temps (Corrected) °C: Cooler 1: (2 9)

Cooler Security	Y	or	N		Y	or	N
1 Custody Seals Present	☑		☐	3 COC Present	☑		☐
2 Custody Seals Intact	☑		☐	4 Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1 Temp criteria achieved	☑		☐
2 Cooler temp verification	IR Gun		
3 Cooler media	Ice (Bag)		
4 No Coolers	1		

Quality Control Preservation	Y	or	N	N/A
1 Trip Blank present / cooler:	☐		☑	☐
2 Trip Blank listed on COC.	☐		☑	☐
3 Samples preserved properly	☑		☐	
4 VOCs headspace free	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1 Sample labels present on bottles	☑		☐
2 Container labeling complete	☑		☐
3 Sample container label / COC agree	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for	☑		☐
3 Condition of sample.	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear.	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis	☑		☐	
4 Compositing instructions clear.	☐		☐	☑
5 Filtering instructions clear	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

8.1

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50005

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-1	Collected: 31-MAR-17 11:16 By: LMHH Received: 03-APR-17 By: AS					
MW-1						
MC50005-1	SW846 7470A	05-APR-17 13:46	JA	05-APR-17	JA	HG
MC50005-1	SW846 6010C	06-APR-17 18:55	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-2	Collected: 31-MAR-17 10:14 By: LMHH Received: 03-APR-17 By: AS					
MW-2						
MC50005-2	SW846 7470A	05-APR-17 13:48	JA	05-APR-17	JA	HG
MC50005-2	SW846 6010C	06-APR-17 18:58	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-3	Collected: 31-MAR-17 08:34 By: LMHH Received: 03-APR-17 By: AS					
MW-3						
MC50005-3	SW846 7470A	05-APR-17 13:49	JA	05-APR-17	JA	HG
MC50005-3	SW846 6010C	06-APR-17 19:01	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-4	Collected: 31-MAR-17 09:21 By: LMHH Received: 03-APR-17 By: AS					
MW-103						
MC50005-4	SW846 7470A	05-APR-17 13:50	JA	05-APR-17	JA	HG
MC50005-4	SW846 6010C	06-APR-17 19:04	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-5	Collected: 31-MAR-17 12:23 By: LMHH Received: 03-APR-17 By: AS					
MW-108						
MC50005-5	SW846 7470A	05-APR-17 13:55	JA	05-APR-17	JA	HG
MC50005-5	SW846 6010C	06-APR-17 19:12	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-6	Collected: 31-MAR-17 10:31 By: LMHH Received: 03-APR-17 By: AS					
B-2/MW						
MC50005-6	SW846 7470A	05-APR-17 13:56	JA	05-APR-17	JA	HG

8.2

Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50005

ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Project No: 03.990202.00

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50005-6	SW846 6010C	06-APR-17 19:15	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-7	Collected: 31-MAR-17 11:33 By: LMHH Received: 03-APR-17 By: AS B-3/MW					
MC50005-7	SW846 7470A	05-APR-17 13:57	JA	05-APR-17	JA	HG
MC50005-7	SW846 6010C	06-APR-17 19:18	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-8	Collected: 31-MAR-17 12:19 By: LMHH Received: 03-APR-17 By: AS MW-105					
MC50005-8	SW846 7470A	05-APR-17 13:58	JA	05-APR-17	JA	HG
MC50005-8	SW846 6010C	06-APR-17 19:20	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-9	Collected: 31-MAR-17 09:37 By: LMHH Received: 03-APR-17 By: AS MW-106					
MC50005-9	SW846 7470A	05-APR-17 14:00	JA	05-APR-17	JA	HG
MC50005-9	SW846 6010C	06-APR-17 19:23	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN
MC50005-10	Collected: 31-MAR-17 08:45 By: LMHH Received: 03-APR-17 By: AS MW-107					
MC50005-10	SW846 7470A	05-APR-17 14:01	JA	05-APR-17	JA	HG
MC50005-10	SW846 6010C	06-APR-17 19:26	AB	05-APR-17	DM	AG,AS,BA,BE,CD,CR,NI,PB,SB, SE,TL,V,ZN

QC Evaluation: MA MCP Limits

Job Number: MC50005
Account: SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA
Collected: 03/31/17

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits

No Exceptions found.

* Sample used for QC is not from job MC50005

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC50005
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99703
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/05/17

Metals	RL	IDL	MDL	MB Raw	MB Result
Aluminum	200	10	21		
Antimony	6.0	2.5	3.3	1.4	<6.0
Arsenic	3.0	2.2	2.2	-1.2	<3.0
Barium	200	.2	.44	0.0	<200
Beryllium	1.0	.1	.25	0.0	<1.0
Bismuth	20	2.1	2.9		
Boron	100	1.9	3.9		
Cadmium	3.0	.3	.4	0.10	<3.0
Calcium	5000	32	33		
Chromium	10	.3	.81	0.10	<10
Cobalt	50	.4	.69		
Copper	10	2.4	2.4		
Iron	100	4.3	12		
Lead	3.0	2	2.3	1.0	<3.0
Lithium	20	[illegible]	1		
Magnesium	5000	34	85		
Manganese	15	.1	.49		
Molybdenum	20	.4	.88		
Nickel	10	.6	.76	0.0	<10
Palladium	50	2	3.7		
Phosphorus	50	3.1	3.7		
Potassium	10000	36	120		
Selenium	10	5.1	4.1	-0.80	<10
Silicon	200	5.7	29		
Silver	10	.4	.88	0.20	<10
Sodium	10000	22	24		
Sulfur	50	6.6	6.9		
Strontium	10	.1	.22		
Thallium	2.0	1.9	1.9	-0.50	<2.0
Tin	10	2	2.3		
Titanium	10	.4	.99		
Tungsten	50	1.7	3.2		
Vanadium	50	.3	.66	-0.10	<50

[illegible] 13 - 351 Summer Street, Somerville, MA

Methods: SW846 6010C

[illegible]

[illegible]F, MC50005-9F, MC50005-10F

[illegible] < IDL are shown as zero for calculation purposes
[illegible] Outside of QC limits
(anr) Analyte not requested

9.1.1

9

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]								
[illegible],	1950	[illegible]	97.5	80-120	1950	[illegible]	[illegible]	0.0
[illegible]	[illegible]	[illegible]	96.5	[illegible]	[illegible]	[illegible]	[illegible]	0.0
Barium	2040	[illegible]	102.0	80-120	2030	[illegible]	101.5	0.5
Beryllium	2060	[illegible]	103.0	80-120	2060	[illegible]	[illegible]	0.0
Bismuth								
Boron								
[illegible]	1950	[illegible]	97.5	[illegible]	1940	2000	[illegible]	1.0
[illegible]								
[illegible]	[illegible]	2000	102.0	80-120	[illegible]	2000	[illegible]	1.0
[illegible]	anr							
[illegible]	anr							
[illegible]								
[illegible]	1980	2000	99.0	80-120	[illegible]	2000	98.0	1.0
Lithium								
[illegible]								
Manganese								
Molybdenum	anr							
[illegible]	1960	2000	98.0	[illegible]	1950	[illegible]	[illegible]	0.5
Palladium								
Phosphorus								
[illegible]								
Selenium	1910	[illegible]	95.5	[illegible]	1900	[illegible]	[illegible]	0.5
[illegible]								
[illegible]	252	250	100.8	80-120	[illegible]	250	[illegible]	0.8
Sodium								
Sulfur								
[illegible]								
[illegible]	1970	2000	98.5	80-120	[illegible]	[illegible]	[illegible]	0.0
Tin								
Titanium								
Tungsten								
[illegible]	[illegible]	[illegible]	101.5	80-120	2010	2000	[illegible]	1.0

Page 1

9.1.2

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Account: ALNE - SGS Accutest New England

QC Batch ID: MP99703
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSD Result	Spikelot MPSPK2	% Rec	BSD RPD	QC Limit

Associated samples MP99703: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC50005
Account: ALNE - SGS Accutest New England
: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99703

Methods: SW846 6010C
Units: ug/l

Prep Date:

Metal	Original	SDL 1:[illegible]	%DIF	QC Limit
Antimony			N	
			N	1
				1
Beryllium			N	
Bismuth				
Boron				
Cadmium		0.00	100.0(a)	0-10
		2.70	0.0	1
Cobalt				
		0.00	100.0(a)	1
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel		7.00	9.1	0-10
Phosphorus				
Selenium		0.00	NC	0-10
Silver		0.00	100.0(a)	
Sulfur				
Strontium				
			N	
			100.0(a)	1

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC50005
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99703
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/05/17

Metal	JC40220-4F Original	SDL 1:5	%DIF	QC Limits
Zinc	0.00	0.00	NC	0-10

Zirconium

Associated samples MP99703: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

9.1.3

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC50005
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99709
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 04/05/17

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.058	.047	0.018	<0.20

Associated samples MP99709: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.1

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC50005
Account: ALNE - SGS Accutest New England
Project: ENVTRAC: Maggiore Somerville, 343 - 351 Summer Street, Somerville, MA

QC Batch ID: MP99709
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:			04/05/17					04/05/17	
Metal	BSP Result	Spikelot HGPW3	% Rec	QC Limits	BSD Result	Spikelot HGPW3	% Rec	BSD RPD	QC Limit
Mercury	1.8	2	90.0	80-120	2.1	2	105.0	15.4	

Associated samples MP99709: MC50005-1F, MC50005-2F, MC50005-3F, MC50005-4F, MC50005-5F, MC50005-6F, MC50005-7F, MC50005-8F, MC50005-9F, MC50005-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.2
6

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